

Statistical bulletin

## GDP monthly estimate, UK: July 2023

Gross domestic product (GDP) measures the value of goods and services produced in the UK. It estimates the size of and growth in the economy.



Release date: 13 September 2023 Next release: 12 October 2023

### **Notice**

### 13 September 2023

There are no revisions to previously published data in this monthly release because of the regular <u>National Accounts revision policy</u>. We will see the data revisions from our pre-announced changes highlighted in our <u>Impact of Blue Book 2023 article</u> in the Quarterly National Accounts release (to be published on 29 September), and also in the next monthly GDP release (published on 12 October).

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## 1. Main points

- There are no revisions to previously published data in this monthly release because of the regular <u>National Accounts revision policy</u>; we will see the data revisions from our pre-announced changes highlighted in our <u>Impact of Blue Book 2023 article</u> in the Quarterly National Accounts release (to be published on 29 September), and also in the next monthly GDP release (published on 12 October).
- For July 2023, monthly real gross domestic product (GDP) is estimated to have fallen by 0.5%, with falls in all three main sectors, following growth of 0.5% in June 2023.
- Looking at the broader picture, GDP increased by 0.2% in the three months to July 2023, with growth in all three main sectors.
- Services output was down 0.5% in July 2023, after growth of 0.2% in June 2023, and was the main contributor to the fall in GDP in July.
- Output in consumer-facing services showed no growth in July 2023, following growth of 0.5% in June 2023.
- Production output fell by 0.7% in July 2023, after growth of 1.8% in June 2023.
- The construction sector fell by 0.5% in July 2023, after growth of 1.6% in June 2023.

## 2. Monthly GDP

Monthly real gross domestic product (GDP) is estimated to have fallen by 0.5% in July 2023 (Figure 1) following growth of 0.5% in June 2023. There are no revisions to previously published data in this monthly release because of the regular National Accounts revision policy. We will see the data revisions from our pre-announced changes highlighted in our Impact of Blue Book 2023 article in the Quarterly National Accounts release (to be published on 29 September), and also in the next monthly GDP release (published on 12 October).

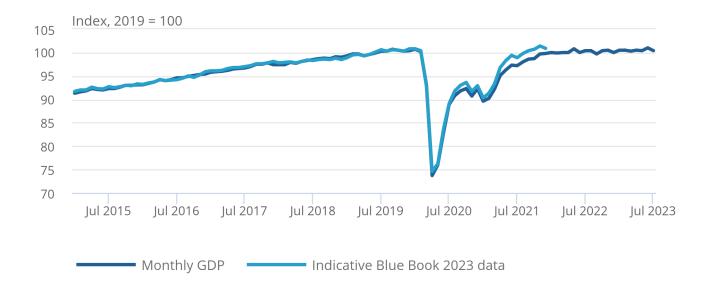
Looking over a broader picture, GDP showed 0.2% growth in the three months to July 2023 when compared with the three months to April 2023. Production grew by 0.6% and was the main contributing sector to the three-month growth. Services and construction output also increased in the three months to July, both by 0.1%.

Figure 1: UK GDP is estimated to have fallen by 0.5% in July 2023, following 0.5% growth in June 2023

Monthly index, January 2015 to July 2023, UK

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Monthly index, January 2015 to July 2023, UK



Source: GDP monthly estimate from the Office for National Statistics

#### Notes:

- The indicative Blue Book 2023 data provides an estimate from our <u>Impact of Blue Book 2023 article</u> for context. These will be incorporated in the Quarterly National Accounts release on 29 September and the next monthly GDP release on 12 October.
- 2. Indicative Blue Book 2023 data are only available up to December 2021.

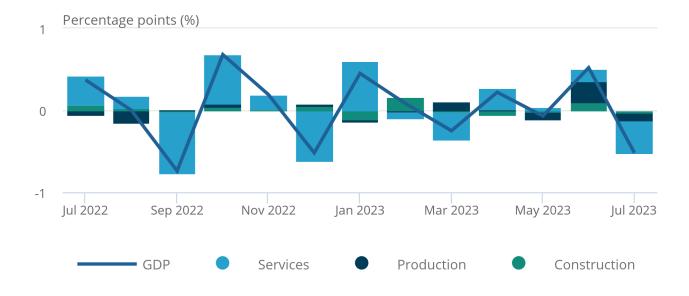
All of the main sectors fell in July 2023. Output in services sector fell by 0.5% and was the largest contributor to the fall in monthly GDP; production output fell by 0.7% and construction output fell by 0.5%. This is the first month since June 2022 that all three sectors contributed negatively to GDP on the month.

Figure 2: All of the main sectors contributed to the fall in GDP in July 2023

Contributions to monthly GDP growth, July 2022 to July 2023, UK

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Contributions to monthly GDP growth, July 2022 to July 2023, UK



Source: GDP monthly estimate from the Office for National Statistics

#### Notes:

1. Sum of component contributions may not sum to total growth because of rounding.

Monthly GDP showed no growth in July 2023 compared with the same month last year. For comparison, monthly GDP grew by 0.9% between June 2022 and June 2023. The Platinum Jubilee in 2022, and the move of the May bank holiday, led to an additional working day in May 2022 and two fewer working days in June 2022. It should also be noted that May 2023, saw one fewer working day as there was an additional bank holiday for the coronation of King Charles III. This should be considered when interpreting seasonally adjusted movements involving these months.

#### More about economy, business and jobs

- All ONS analysis, summarised in our <u>economy</u>, <u>business and jobs roundup</u>.
- Explore the latest trends in employment, prices and trade in our economic dashboard.
- View <u>all economic data</u>.

#### 3. The services sector

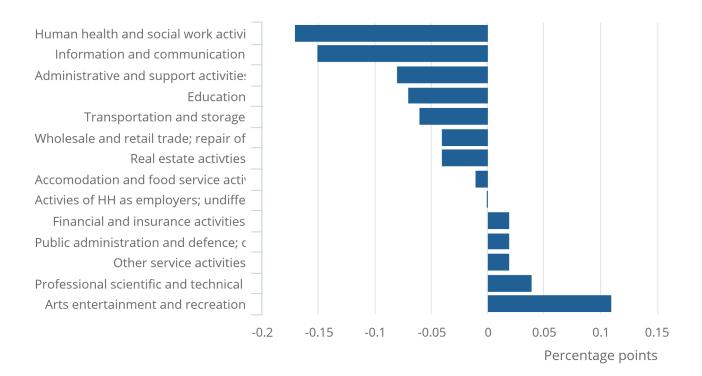
Services output fell by 0.5% in July 2023, following growth of 0.2% in June 2023. Overall, the services sector grew by 0.1% in the three months to July 2023 compared with the three months to April 2023. Figure 3 shows the monthly contributions from the services sector to gross domestic product (GDP) in July 2023.

Figure 3: Human health and social work activities was the largest contributor to the 0.5% fall in services output in July 2023

Monthly services contributions to GDP, July 2023

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Monthly services contributions to GDP, July 2023



Source: GDP monthly estimate from the Office for National Statistics

#### Notes:

1. Sum of component contributions may not sum to total services growth because of rounding.

The main contributor to the fall in monthly services output was the human health and social work activities subsector, which fell by 2.1% in July 2023. This was attributed entirely to a 3.4% fall in the human health activities industry. Industrial action was held in July by NHS senior doctors (two days) and radiographers (two days) for the first time while industrial action by junior doctors increased (five days in July, compared with three in June). NHS England reported that 65,557 appointments and procedures were cancelled because of the senior doctors strike and 101,977 acute inpatient and outpatient appointments were cancelled because of the industrial action by junior doctors.

The next largest contributor to the fall in services output in July 2023 was the 2.1% fall in information and communication, following on from three consecutive monthly growths in this sub-sector. Computer programming, consultancy and related activities was the largest contributing industry, falling by 3.4% in July after three consecutive monthly growths in April, May, and June 2023.

Administrative and support service activities also fell in July 2023, by 1.4%. The largest industry within this subsector was employment activities, which fell by 2.3% in July after a growth of 2.1% in June. This industry has had a decrease in monthly output in 9 of the last 12 months. Education also fell in July 2023, by 1.1%, where the sector saw two days of industrial action in England at the start of the month. Please note that education attendance is considered to be constant over the school year, so summer holidays and school leavers did not reduce the estimate of education output in July 2023.

The main offsetting positive contribution was from the arts, entertainment and recreation sub-sector, which grew by 6.6% in July 2023; this was its largest growth since May 2021. Sports activities and amusement and recreation activities grew by 12.4% and creative, arts and entertainment grew by 4.9%.

## **Consumer-facing services**

Output in consumer-facing services showed no growth in July 2023, while all other services fell by 0.6%. The largest positive contributions to consumer-facing services in July 2023 came from the sports activities and amusement and recreation activities industry (up 12.4%) and wholesale and retail trade and repair of motor vehicles and motorcycles (up 2.2%).

The largest negative contributions came from retail trade, except of motor vehicles and motorcycles (down 1.2%) and travel agency, tour operator and other reservation service and related activities (down 3.2%).

On the three months to July, consumer-facing services have growth by 0.7%

More detailed breakdowns on services are available in our Index of Services, UK: July 2023.

## 4. The production sector

Production output fell by 0.7% in July 2023, following growth of 1.8% in June 2023 (Figure 4). The largest falling sub-sector was manufacturing, which fell by 0.8% in July 2023.

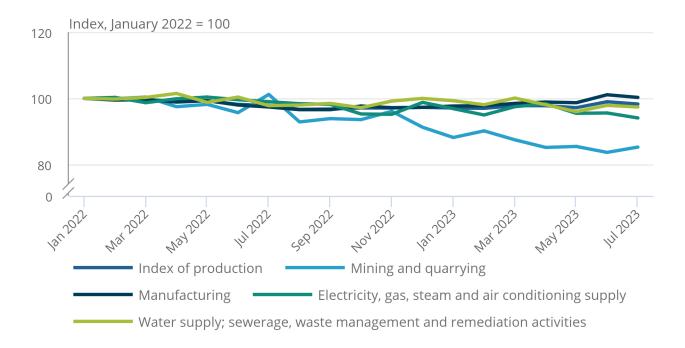
Overall, production output grew by 0.6% in the three months to July 2023, compared with the three months to April 2023. Manufacturing was also the main contributor to the three-month growth, where manufacturing output grew by 1.7% in the three months to July 2023.

Figure 4: Production output fell by 0.7% in July 2023, following growth of 1.8% in June 2023

Monthly index, January 2022 to July 2023

Figure 4: Production output fell by 0.7% in July 2023, following growth of 1.8% in June 2023

Monthly index, January 2022 to July 2023



Source: GDP monthly estimate from the Office for National Statistics

#### Notes:

- 1. Indexes are rounded to one decimal place.
- 2. Weights of these subsectors are available in our <a href="GDP(O)">GDP(O)</a> data sources catalogue.

Manufacturing's 0.8% fall was the main contributor to the monthly fall in production, with 9 of its 13 subsectors down on the month (Figure 5). This follows growth of 2.4% in June 2023, the strongest monthly growth since November 2020, where a number of businesses told us that output increased in June 2023 compared with May 2023 because of the additional bank holiday in May.

Manufacture of rubber and plastics products and other non-metallic mineral products was the largest contributor to the fall, down by 5.5%. This is followed by the manufacturing of computer, electronic and optical products, which was down 3.2% in July. The largest offsetting positive contribution within manufacturing came from manufacture of machinery and equipment not elsewhere classified (NEC), which grew by 2.8%.

Mining and quarrying was the only production sub-sector to see increased output in July 2023, growing by 1.9%, caused by growth of 2.9% in the extraction of crude petroleum and natural gas.

Electricity, gas, steam and air conditioning supply fell by 1.5% in July 2023, caused by a 2.5% fall in electric power generation, transmission and distribution.

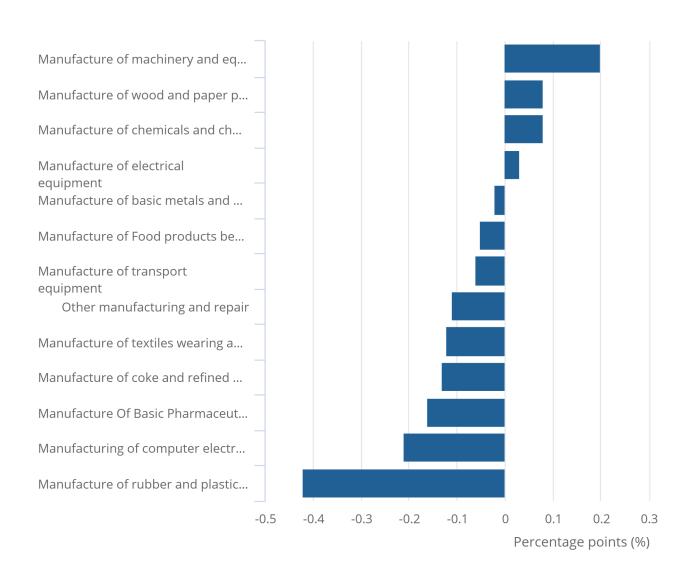
Water supply and sewerage fell by 0.5%, mainly attributed to a 1.6% fall in water collection, treatment and supply.

Figure 5: 9 out of 13 manufacturing sub-sectors contributed negatively to the 0.8% fall in manufacturing output in July 2023

Monthly manufacturing sub-sectors contributions to manufacturing output, July 2023, UK

# Figure 5: 9 out of 13 manufacturing sub-sectors contributed negatively to the 0.8% fall in manufacturing output in July 2023

Monthly manufacturing sub-sectors contributions to manufacturing output, July 2023, UK



Source: GDP monthly estimate from the Office for National Statistics

#### Notes:

1. Sum of component contributions may not sum to total manufacturing growth because of rounding.

More detailed breakdowns on production are available in our Index of Production, UK: July 2023.

#### 5. The construction sector

Monthly construction output is estimated to have decreased 0.5% in volume terms in July 2023. This follows a 1.6% increase in June 2023, where businesses told us that extremely good weather and an additional working day, compared with May, because of the additional bank holiday for King Charles III coronation, had boosted output.

The decrease in monthly output came solely from a decrease in repair and maintenance (1.3% fall), with new work increasing (0.1%) on the month. Five out of the nine sectors saw a decrease on the month.

At the sector level, the main contributors to the monthly decrease were private housing repair and maintenance and private housing new work, which decreased by 3.9% and 2.2%, respectively.

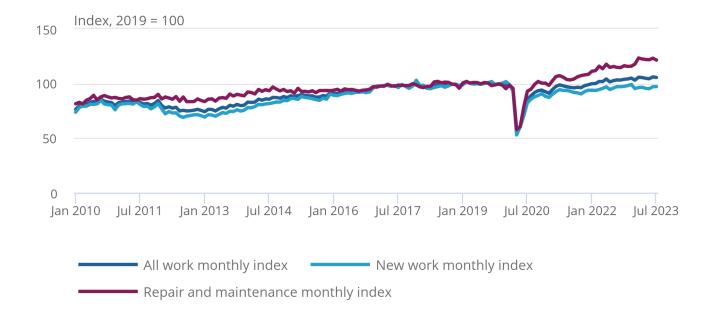
Anecdotal evidence received from returns for the <u>Monthly Business Survey (MBS)</u> for construction and allied <u>trades</u> suggested an effect from heavy rainfall and lower-than-average temperatures. The Met Office confirmed in their <u>Monthly climate summary (PDF, 5.7MB)</u> that July 2023 was the wettest July since 2009. Additional evidence also indicated a slow-down in the housing sector.

Figure 6: The monthly all work construction output index in July 2023 saw a decrease on the month

Monthly all work index, chained volume measure, seasonally adjusted, Great Britain, July 2011 to July 2023

# Figure 6: The monthly all work construction output index in July 2023 saw a decrease on the month

Monthly all work index, chained volume measure, seasonally adjusted, Great Britain, July 2011 to July 2023



#### Source: Construction output and employment from the Office for National Statistics

Further detail on construction output growth rates, along with new orders in the construction industry and construction output prices, can be found in our <u>Construction output in Great Britain</u>: <u>July 2023 bulletin</u>.

## 6. Cross-industry themes

There were some common themes that were anecdotally reported (as part of the Monthly Business Survey (MBS) for production and services) to have played a part in performance across different industries. However, it is difficult to quantify the exact impact of each theme.

The industrial action in July 2023 had an impact on different industries to varying degrees. The health sector (junior doctors, senior doctors and radiographers), education sector (teachers in England) and rail network all undertook notable industrial action and this was an important factor as to the monthly decline in these industries. To a lesser degree, anecdotal comments were received to suggest demand for employment agencies from the health sector were also negatively affected by the industrial action in the NHS.

July 2023 also had wetter weather than normal, as detailed in the Met Office's <u>July 2023 climate summary (PDF, 4.8MB)</u>, following a particularly warm June, calling it "the warmest June in a series since 1884". The July report mentioned "the UK overall rainfall total was 170% of average overall, making this provisionally the wettest July since 2009 and sixth wettest July in the series". The wet weather was cited as a reason for lower output in retail, as described in our <u>Retail sales bulletin</u>, and also in construction and outdoor accommodation venues.

## 7. Monthly GDP data

#### Monthly gross domestic product by gross value added

Dataset | Released 13 September 2023

The gross value added (GVA) tables showing the monthly and annual growths and indices as published within the monthly gross domestic product (GDP) statistical bulletin.

#### Contributions to monthly GDP

Dataset | Released 13 September 2023

Contributions to growth within monthly gross domestic product (GDP), UK.

#### Monthly gross domestic product: time series

Dataset MGDP | Released 13 September 2023

Monthly estimate of gross domestic product (GDP) containing constant price gross value added (GVA) data for the UK.

#### Monthly GDP and main sectors to four decimal places

Dataset | Released 13 September 2023

Monthly index values for monthly gross domestic product (GDP) and the main sectors in the UK to four decimal places.

#### Revisions triangles for monthly GDP

Dataset | Released 13 September 2023

Comparison of gross domestic product (GDP) first estimates against estimates published later.

#### Health volume adjustments and contribution to GDP growth

Dataset | Released 13 September 2023

Volume estimates for the NHS Test and Trace services and vaccine programmes and their impact on real GDP.

## 8. Glossary

## 9. Measuring the data

Further information on measuring the data across our main data sources is available in the following releases:

- Construction output in Great Britain: July 2023
- Index of Production, UK: July 2023
- Index of Services, UK: July 2023

In the UK, we produce estimates of monthly and quarterly gross domestic product (GDP). However, there are reasons as to why these would not provide the same estimate as to where the economy is, relative to its precoronavirus (COVID-19) pandemic levels. This primarily reflects that monthly estimate of GDP are based on only the output measure of GDP, while quarterly estimates of GDP reflect the average of the three approaches (output, income and expenditure).

The coronavirus pandemic has brought many measurement challenges that have created more uncertainty around our three approaches, as set out in our <u>Coronavirus and the effects on UK GDP article</u>. This has led to an initial divergence between the output and average estimate, which is then reflected in how we compare monthly and quarterly estimates of GDP. Further information is available in our <u>Measuring monthly and quarterly UK gross domestic product during the coronavirus (COVID-19) pandemic article</u>.

Estimates for the construction industry within monthly GDP will differ to those published in the construction output release, as they account for both the outputs produced and inputs consumed by the industry. There are also some coverage differences given the use of the Annual Business Survey in their compilation.

Our GDP(O) data sources catalogue provides a full breakdown of the data used in this publication.

#### Additional bank holiday in May 2023 for the Coronation of King Charles III

There was an additional bank holiday for the coronation of King Charles III on Monday 8 May 2023. While adjustments are made for regular calendar effects, there was no explicit adjustment for this ad hoc event. However, the timing of the bank holiday indirectly affects the number of trading days, which could affect GDP estimates positively or negatively, depending on the sector.

## Office for Statistics Regulation (OSR) review of GDP

The OSR will shortly be completing a <u>review of the practices around the preparation and release of information about revisions to estimates of GDP</u> in our <u>Impact of Blue Book 2023 article</u> released on 1 September. This will cover the following:

- processes and quality assurance in making revisions to GDP
- potential improvements to early estimates of GDP enabled through enhanced access to data
- communication of revisions to GDP, the story behind the most recent set of revisions in particular, and uncertainty in early estimates of GDP

## 10 . Strengths and limitations

Quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in our <u>Gross domestic product (GDP) Quality and Methodology Information (QMI)</u>.

Monthly growth rates can be volatile. Therefore, this indicator should be used with caution and alongside other measures, such as the three-month growth rate, when looking for an indicator of the medium-term trend of the economy. However, it is useful in highlighting one-off changes that can be masked by three-month growth rates.

The latest comparisons of month on same month a year ago should be treated with caution, given the impact of base effects on growth rates because of the economic impact of the coronavirus (COVID-19) pandemic throughout 2020 and 2021 (see our blog post, <u>Beware Base Effects</u>, for more information). Such comparisons and growth rates can be found in our <u>accompanying dataset</u>.

### 11. Related links

#### Construction output in Great Britain: July 2023

Bulletin | Released 13 September 2023

Short-term measures of output by the construction industry, contracts awarded for new construction work in Great Britain.

#### Index of Production, UK: July 2023

Bulletin | Released 13 September 2023

Movements in the volume of production for the UK production industries: manufacturing, mining and quarrying, energy supply, and water and waste management.

#### Index of Services, UK: July 2023

Bulletin | Released 13 September 2023

Monthly movements in output for the services industries.

#### GDP first quarterly estimate, UK: April to June 2023

Bulletin | Released 11 August 2023

Revised quarterly estimate of gross domestic product (GDP) for the UK. Uses additional data to provide a more precise indication of economic growth than the first estimate

#### Impact of Blue Book 2023 changes on gross domestic product

Article | Released 1 September 2023

Impact of methodological and data improvements on current price and chain volume measure of quarterly gross domestic product (GDP), 1997 to 2021.

#### Coronavirus and the effects on UK GDP

Article | Released 6 May 2020

How the global coronavirus (COVID-19) pandemic and the wider containment efforts are expected to impact on UK gross domestic product (GDP) as well as some of the challenges that national statistical institutes are likely to face.

Measuring monthly and quarterly UK gross domestic product during the coronavirus (COVID-19) pandemic Article | Released 11 November 2021

How we produce monthly and quarterly estimates of UK gross domestic product and why this affects estimating where the economy is relative to its pre-coronavirus (COVID-19) pandemic level.

## 12. Cite this bulletin

Office for National Statistics (ONS), released 13 September 2023, ONS website, statistical bulletin, <u>GDP monthly estimate</u>, <u>UK: July 2023</u>

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                                                                                                                                      | Total<br>service<br>industries                                                                                                                   | Wholesale<br>and retail:<br>repair of<br>motor vehicles<br>and motorcycles                                                                                                           | Transport<br>and storage                                                                                                                                                                     | Accommodation and food service activities                                                                                                                                   | Information<br>and<br>Communication                                                                                                                                     | Financial<br>and insurance<br>activities                                                                                                                       | Real estate<br>activities                                                                                                    | Professional,<br>scientific<br>and technical<br>activities                                                                                                              | Administrative<br>and support a<br>service<br>activities                                                                                                                                                                     | and                                                                                                                                                                         | Education                                                                                                                                         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                                                                                                                                      | 98.5<br>100.0<br>87.6<br>93.7<br>98.9                                                                                                            | 100.4<br>100.0<br>81.6<br>84.6<br>82.4                                                                                                                                               | 98.2<br>100.0<br>70.3<br>77.9<br>87.3                                                                                                                                                        | 96.6<br>100.0<br>59.9<br>78.4<br>106.2                                                                                                                                      | 91.6<br>100.0<br>98.6<br>104.4<br>114.1                                                                                                                                 | 102.6<br>100.0<br>100.3<br>105.5<br>105.1                                                                                                                      | 98.4<br>100.0<br>100.0<br>99.9<br>99.6                                                                                       | 100.9<br>100.0<br>92.5<br>101.7<br>107.8                                                                                                                                | 99.6<br>100.0<br>89.0<br>99.1<br>112.6                                                                                                                                                                                       | 95.0<br>100.0<br>95.2<br>97.4<br>101.2                                                                                                                                      | 94.0<br>100.0<br>82.5<br>92.3<br>98.6                                                                                                                          | 101.6<br>100.0<br>69.1<br>82.2<br>89.7                                                                                                                                       | 98.3<br>100.0<br>71.9<br>83.7<br>103.5                                                                                                                                                    | 101.8<br>100.0<br>86.3<br>78.7<br>81.1                                                                                                                                                       | 94.1<br>100.0<br>78.0<br>73.9<br>65.6                                                                                                                                                                                                                                                                                                                                                                                                           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|                                                                                                                                                                                 | ECY2                                                                                                                                                              | ECY3                                                                                                                                            | ECY4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                                                                                                                                      | ECYC                                                                                                                                             | ECYD                                                                                                                                                                                 | ECYG                                                                                                                                                                                         | ECYH                                                                                                                                                                        | ECYI                                                                                                                                                                    | ECYJ                                                                                                                                                           | ECYK                                                                                                                         | ECYL                                                                                                                                                                    | ECYP                                                                                                                                                                                                                         | ECYQ                                                                                                                                                                        | ECYR                                                                                                                                                           | ECYS                                                                                                                                                                         | ECYT                                                                                                                                                                                      | ECYU                                                                                                                                                                                         | ECYV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2021 Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sup Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Jul Jul | 97.2<br>98.0<br>98.6<br>98.7<br>99.7<br>99.8<br>100.0<br>100.0<br>100.0<br>100.4<br>100.4<br>100.4<br>100.5<br>100.5<br>100.5<br>100.5<br>100.5<br>100.0<br>100.4 | 103.7 104.9 104.7 104.8 104.6 104.6 104.6 105.8 105.8 106.0 106.1 106.2 106.0 105.4 105.5 105.3 105.3 105.3 105.4 105.5 105.5 105.5 105.6 105.7 | 108.8<br>109.4<br>108.3<br>107.2<br>107.5<br>107.5<br>107.5<br>107.2<br>107.1<br>106.6<br>106.7<br>105.6<br>105.2<br>103.9<br>104.0<br>104.4<br>104.4<br>104.3<br>105.1<br>105.2<br>104.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 81.9<br>97.1<br>93.7<br>90.0<br>87.7<br>85.6<br>90.2<br>90.1<br>90.5<br>87.9<br>88.5<br>86.2<br>91.3<br>83.8<br>84.6<br>84.4<br>86.7<br>82.3<br>79.5<br>81.3<br>79.5<br>81.3<br>79.5 | 110.2<br>110.1<br>109.6<br>108.8<br>108.5<br>107.7<br>107.2<br>107.3<br>106.5<br>104.9<br>104.0<br>105.2<br>104.0<br>104.0<br>105.2<br>106.3<br>106.5<br>106.3 | 114.7<br>110.3<br>108.3<br>102.9<br>108.9<br>109.7<br>112.0<br>112.3<br>110.5<br>111.9<br>112.5<br>110.0<br>106.7<br>106.7<br>106.7<br>110.7<br>108.6<br>106.4<br>109.2<br>110.2<br>110.2 | 114.4<br>113.2<br>111.3<br>115.0<br>115.7<br>116.0<br>115.8<br>116.3<br>117.8<br>114.6<br>113.4<br>113.7<br>114.2<br>112.8<br>115.1<br>115.9<br>115.2<br>113.8<br>116.1<br>113.8<br>111.3 | 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77.2<br>67.4<br>68.6<br>70.8<br>74.4<br>77.2<br>74.8<br>68.9<br>64.6<br>66.8<br>68.0<br>70.8<br>66.8<br>61.3<br>61.3<br>61.3<br>61.4<br>61.0<br>62.2<br>62.2<br>62.2<br>62.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Percentage change, la                                                                                                                                                           |                                                                                                                                                                   |                                                                                                                                                 | L3BG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | L3BH                                                                                                                                                                                 | L3BN                                                                                                                                                           | L3DM                                                                                                                                                                                      | L3DQ                                                                                                                                                                                      | L3DW                                                                                                                                                                                                   | L3E2                                                                                                                                             | L3E4                                                                                                                                                                                 | L3E8                                                                                                                                                                                         | L3EG                                                                                                                                                                        | L3EJ                                                                                                                                                                    | L3EU                                                                                                                                                           | L3F2                                                                                                                         | L3F8                                                                                                                                                                    | L3FN                                                                                                                                                                                                                         | L3FW                                                                                                                                                                        | L3FY                                                                                                                                                           | L3G2                                                                                                                                                                         | L3G9                                                                                                                                                                                      | L3GF                                                                                                                                                                                         | L3GJ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2018<br>2019<br>2020<br>2021<br>2022                                                                                                                                            | 1.6<br>1.7<br>-10.6<br>7.4<br>4.3                                                                                                                                 | -12.5<br>16.9<br>-3.5<br>5.8<br>3.5                                                                                                             | 3.3<br>2.3<br>1.2<br>7.3<br>-2.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6.3<br>2.2<br>-3.2<br>-11.7<br>2.1                                                                                                                                                   | 4.3<br>1.2<br>0.1<br>9.7<br>-3.7                                                                                                                               | -3.2<br>14.0<br>9.1<br>5.1<br>-3.6                                                                                                                                                        | 1.1<br>-0.3<br>4.8<br>7.8<br>2.0                                                                                                                                                          | -1.7<br>1.5<br>-13.5<br>13.1<br>6.2                                                                                                                                                                    | 1.7<br>1.5<br>-12.4<br>7.0<br>5.5                                                                                                                | -0.7<br>-0.4<br>-18.4<br>3.7<br>-2.6                                                                                                                                                 | 3.2<br>1.9<br>-29.7<br>10.8<br>12.2                                                                                                                                                          | -1.7<br>3.5<br>-40.1<br>30.9<br>35.3                                                                                                                                        | 13.2<br>9.2<br>-1.4<br>5.9<br>9.3                                                                                                                                       | -0.9<br>-2.5<br>0.3<br>5.2<br>-0.4                                                                                                                             | 1.4<br>1.7<br>0.0<br>-0.1<br>-0.4                                                                                            | 0.5<br>-0.9<br>-7.5<br>9.9<br>6.0                                                                                                                                       | 0.1<br>0.5<br>-11.0<br>11.4<br>13.6                                                                                                                                                                                          | 0.9<br>5.3<br>-4.9<br>2.4<br>3.8                                                                                                                                            | 4.6<br>6.4<br>-17.5<br>11.9<br>6.8                                                                                                                             | -0.9<br>-1.6<br>-30.9<br>19.0<br>9.2                                                                                                                                         | 1.1<br>1.8<br>-28.2<br>16.5<br>23.7                                                                                                                                                       | 5.0<br>-1.7<br>-13.7<br>-8.8<br>3.0                                                                                                                                                          | 8.5<br>6.3<br>-22.1<br>-5.2<br>-11.1                                                                                                                                                                                                                                                                                                                                                                                                            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| Percentage change, lat                                                                                                                                                          | test 3 months on                                                                                                                                                  | previous 3 mon                                                                                                                                  | ths                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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|                                                                                                                                                                                 | ED3H                                                                                                                                                              | ED3I                                                                                                                                            | ED3J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                                                                                                                                      | ED3P                                                                                                                                             | ED3Q                                                                                                                                                                                 | ED3R                                                                                                                                                                                         | ED3S                                                                                                                                                                        | ED3T                                                                                                                                                                    | ED3U                                                                                                                                                           | ED3V                                                                                                                         | ED3W                                                                                                                                                                    | ED3X                                                                                                                                                                                                                         | ED3Y                                                                                                                                                                        | ED3Z                                                                                                                                                           | ED42                                                                                                                                                                         | ED43                                                                                                                                                                                      | ED44                                                                                                                                                                                         | ED9R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2021 Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Jul Aug Jun Jul Aug Jun Jul                                  | 4.8 3.1 1.7 1.5 1.5 1.5 1.4 0.9 0.6 0.1 0.3 0.3 0.5 0.0 -0.1 -0.3 -0.1 0.1 0.2 0.2 0.2 0.1 0.1 0.1 0.2 0.2 0.2 0.2                                                | 3.2<br>3.9<br>3.7<br>2.6<br>1.0<br>0.2<br>-0.2<br>0.6<br>1.0<br>0.9<br>0.6<br>0.4<br>-0.1<br>-0.4<br>-0.5<br>-0.4<br>-0.1<br>0.0<br>0.2<br>-0.2 | 0.2<br>-0.6<br>-0.4<br>-0.9<br>-1.2<br>-1.4<br>-0.8<br>-0.3<br>-0.1<br>-0.5<br>-0.9<br>-1.0<br>-1.8<br>-1.6<br>-0.6<br>-0.0<br>0.3<br>0.2<br>0.1<br>0.4<br>0.5<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.6<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7<br>-0.7 | -8.9 3.6 24.4 23.4 9.6 -3.4 -6.2 -2.1 2.8 1.9 0.4 -3.0 -0.9 -2.1 -1.1 -5.0 -2.1 -1.7 -4.9 -5.4 -4.6 -4.2 -4.3 -3.2                                                                   | 0.4 -0.6 -0.9 -1.2 -1.3 -1.3 -1.3 -1.1 -1.1 -1.1 -1.1 -1.1                                                                                                     | 2.2<br>-5.2<br>-9.5<br>-11.4<br>-7.3<br>-3.5<br>2.8<br>4.4<br>4.1<br>1.3<br>0.3<br>0.0<br>-0.7<br>-1.5<br>-2.4<br>-2.8<br>-2.1<br>-0.3<br>0.7<br>0.0<br>0.0<br>0.0<br>0.0                 | 1.2<br>2.1<br>0.9<br>0.1<br>0.0<br>2.0<br>2.1<br>1.8<br>0.7<br>0.9<br>0.3<br>0.2<br>-1.6<br>-1.5<br>-2.1<br>-1.1<br>-0.4<br>0.7<br>1.6<br>0.8<br>0.3<br>-0.7<br>-1.1<br>1.8<br>-1.7       | 0.3<br>-1.5<br>-1.6<br>-0.9<br>0.4<br>1.4<br>2.7<br>2.7<br>2.9<br>2.3<br>3.0<br>1.9<br>1.5<br>-0.1<br>0.6<br>0.7<br>1.2<br>1.3<br>0.6<br>0.8<br>0.4<br>1.2<br>0.3<br>0.3                               | 6.2<br>4.3<br>2.4<br>2.2<br>2.2<br>2.1<br>1.7<br>1.0<br>0.5<br>0.1<br>0.3<br>0.4<br>0.6<br>0.4<br>0.2<br>-0.1<br>0.1<br>0.1<br>0.1<br>0.0<br>0.0 | 5.9 1.7 -1.6 -1.1 -1.0 -1.3 -2.0 -2.7 -2.4 -2.2 -1.8 -1.1 -0.9 -0.4 -0.5 -0.5 -0.6 -0.7 -0.1 -0.4 -0.6 -0.2 -0.4                                                                     | 3.3<br>5.0<br>5.7<br>5.9<br>5.8<br>5.4<br>3.4<br>2.7<br>1.7<br>2.0<br>0.9<br>1.1<br>1.4<br>2.9<br>2.2<br>2.2<br>-2.9<br>-3.9<br>-3.3<br>-1.1<br>-0.7<br>-0.8                                 | 86.8 58.7 29.8 16.1 5.2 -3.5 -5.9 -2.2 6.5 10.1 8.7 5.5 3.0 1.5 -1.4 -3.0 -2.1 -0.1 1.0 0.5 -0.1 0.4 0.7 1.6 0.7                                                            | 2.6<br>1.6<br>0.4<br>1.0<br>0.9<br>2.5<br>3.6<br>5.4<br>5.2<br>3.7<br>1.6<br>0.6<br>0.8<br>1.0<br>0.0<br>-0.5<br>1.2<br>2.9<br>2.7<br>1.3<br>0.1<br>0.0                 | -0.4<br>-0.9<br>-0.6<br>0.3<br>1.3<br>1.6<br>0.9<br>-0.3<br>-1.3<br>-0.6<br>0.3<br>0.7<br>0.6<br>-0.1<br>-0.8<br>-0.2<br>0.4<br>0.5<br>0.3<br>-0.1<br>-0.8     | -0.3 -0.4 -0.5 -0.4 -0.3 -0.1 0.0 0.0 -0.1 -0.2 0.1 0.3 0.1 0.0 0.0 -0.1 -0.3 -0.2 -0.1 0.1 0.0 -0.1 -0.3 -0.2 -0.1          | 2.3<br>2.5<br>2.4<br>2.0<br>1.9<br>1.5<br>2.0<br>1.2<br>1.3<br>0.9<br>1.7<br>1.7<br>1.7<br>0.2<br>-0.2<br>-0.4<br>-0.3<br>0.2<br>0.6<br>-0.1<br>-0.4<br>-0.8            | 4.9 4.2 4.5 5.0 6.3 6.7 5.6 3.9 2.7 2.6 1.8 0.8 -0.2 0.0 0.5 1.5 2.6 3.1 2.7 1.6 0.6 -0.2 -0.3 -0.8                                                                                                                          | 3.1<br>2.2<br>1.4<br>0.8<br>0.8<br>0.7<br>1.3<br>1.2<br>0.9<br>0.3<br>0.1<br>0.2<br>0.5<br>0.9<br>1.1<br>1.1<br>0.7<br>0.3<br>0.0<br>0.0<br>0.4<br>0.7<br>0.7<br>0.9<br>0.3 | 17.6<br>8.0<br>0.8<br>-2.0<br>-2.2<br>-0.5<br>1.7<br>1.4<br>0.2<br>-0.6<br>0.1<br>1.0<br>0.8<br>-0.2<br>-1.5<br>-1.6<br>-1.9<br>-0.6<br>-0.7<br>0.4<br>0.5     | 17.6 13.5 9.5 9.7 10.0 10.2 6.0 1.3 -3.9 -6.3 -5.0 -3.6 -0.7 -1.1 0.5 0.7 1.7 0.4 -0.9 -1.9 -0.8 -0.2 0.7 0.4                                                                | 12.5<br>11.6<br>10.1<br>9.9<br>10.3<br>9.6<br>7.9<br>5.2<br>4.5<br>5.7<br>6.9<br>5.2<br>2.6<br>0.6<br>-0.6<br>-1.0<br>-0.2<br>-0.3<br>-1.6<br>-2.1<br>1.2<br>3.4<br>4.5<br>2.3<br>4.4     | -5.3<br>-6.0<br>-2.5<br>6.8<br>9.2<br>5.7<br>4.5<br>2.0<br>1.4<br>-1.9<br>-2.4<br>-2.7<br>-1.2<br>-1.7<br>-1.8<br>-2.2<br>-0.9<br>-0.3<br>0.5<br>1.1<br>0.6<br>0.1                           | 22.5<br>9.0<br>-12.6<br>-16.9<br>-8.6<br>4.3<br>9.5<br>3.3<br>-6.3<br>-11.5<br>-9.7<br>-1.3<br>2.6<br>0.8<br>-6.7<br>-9.4<br>-8.4<br>-5.1<br>-2.8<br>-1.8<br>2.8<br>-1.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8<br>-3.8 |

<sup>1</sup> The GVA output is designated as a National Statistic.
2 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
3 Estimates cannot be regarded as accurate to the last digit shown.
4 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
5 A complete run of data is available on the ONS website.
6. The construction growth rates calculated from this release may have small differences to those in <u>Construction Output in Great Britain</u> releases, due to rounding differences. For the most accurate figure, please refer to the Construction Output release.

| Part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |                    |               |            |       |               |      |      |                |      |      |          | Industry section | ns (SIC2007) | 22010 100 |             |      |      |      |           |      |      |      |                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|---------------|------------|-------|---------------|------|------|----------------|------|------|----------|------------------|--------------|-----------|-------------|------|------|------|-----------|------|------|------|--------------------|
| Property    |                     |                    |               |            |       |               |      |      |                |      |      |          |                  | (0.02001)    |           |             |      |      |      |           |      |      |      | Activities of      |
| Part      |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | households         |
| Part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |                    |               |            | M:: 0 |               | ,    |      |                |      |      | T        |                  |              |           | Deel estate |      |      |      |           |      |      |      |                    |
| Second   S   |                     |                    |               |            |       | Manufacturing |      |      | Construction 6 |      |      |          |                  |              |           |             |      |      |      | Education |      |      |      | goods and services |
| Part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Section             |                    | <u> </u>      |            |       |               |      |      |                |      | ,    | <u> </u> | l                | J            |           | L           |      |      |      |           |      |      |      | T                  |
| Part   1971   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970      |                     | 1000               | 7             | 135        | 11    | 97            | 15   | 12   | 62             | 796  | 104  | 40       | 30               | 63           | 82        | 132         | 73   | 51   | 49   | 60        | 77   | 15   | 17   | 2                  |
| Part   1971   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970      | Percentage change   | latest 3 months on | same 3 months | a vear ano |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      |                    |
| 220   174                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | r crocinage change, |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      |                    |
| Aug. 114 3 44 71 172 184 31 75 176 118 32 180 811 72 48 01 140 95 88 78 78 648 314 703 119 62 62 62 62 62 62 62 62 62 62 62 62 62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     | ED9T               | ED9U          | ED9V       | ED9W  | EDGQ          | EDGR | EDGS | EDGT           | EDGU | EDGV | EDGW     | EDGX             | EDGY         | EDGZ      | EDHA        | EDHB | EDHC | EDHD | EDHE      | EDHF | EDHG | EDHH | EDHI               |
| Fig.   15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | 50.4               |
| Property   1.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | 11.7               |
| No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      |                    |
| Dec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -24.1<br>-20.1     |
| 292) Jaim                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -12.1              |
| Fig. 112 75 -1-16 -1-14 -1-17 -1-5 -1-14 -1-17 -1-5 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1-14 -1 |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -5.3               |
| March   1.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -2.2               |
| Apr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                    |               |            | 0.3   |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | 0.7                |
| May 60 61 62 23 116 24 43 77 8 60 61 62 77 8 66 62 77 8 66 62 77 8 66 62 78 8 67 43 44 67 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Apr                 |                    |               | -2.0       | 7.6   |               |      | 4.4  |                | 10.5 | 0.3  | 17.2     | 124.8            |              |           |             |      |      |      |           |      |      |      | -1.4               |
| All                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | May                 | 6.0                | 6.1           | -2.6       | 11.6  | -3.7          | -8.0 | 4.3  | 4.7            | 7.9  | -3.8 | 17.2     | 77.4             | 9.7          | -0.5      | -0.6        | 7.5  | 18.0 | 4.3  | 7.1       | 20.1 | 38.4 | 2.2  | -7.1               |
| Aug 29 24 -37 564 -30 03 -37 06 61 339 -57 132 133 00 110 -41 57 150 31 10 47 748 80 114 58 58 12 13 14 1 44 1 44 1 44 1 44 1 44 1 44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Jun                 | 4.1                |               | -2.7       | 19.8  | -4.2          | -8.7 | 3.8  | 4.6            | 5.5  | -6.3 | 15.3     | 40.7             | 9.0          | -0.1      | -0.4        |      | 16.6 | 3.3  | 1.6       | 11.7 |      | 1.6  | -15.7              |
| Sep 23 1.4 4.1 4.4 4.8 5.2 407 0.7 6.3 3.2 5.6 11.3 6.9 8.6 0.5 0.1 4.8 11.6 3.0 2.3 2.6 19.7 2.3 10.0 CP 1.7 10.8 1.3 10.4 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8 1.0 10.8  | Jul                 |                    |               |            |       |               |      |      |                |      |      |          |                  |              | 0.6       |             |      |      |      |           |      |      |      | -17.4              |
| Oct 17 08 339 100 47 17 08 339 100 47 17 03 74 24 58 108 36 76 -0.5 02 48 98 32 35 -0.7 159 -0.9 -0.9 -0.9 100 12 07 130 100 12 07 130 100 100 100 100 100 100 100 100 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -14.1              |
| Nov 12 07 32 38 40 10 10 10 53 70 16 43 72 57 75 -15 02 33 80 29 30 32 129 29 35 70 20 20 20 20 20 20 30 32 129 29 30 30 32 20 20 20 20 20 20 20 20 20 20 20 20 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -10.1              |
| Dec 0.9 0.6 2.7 3.8 3.5 0.8 4.5 0.8 4.5 0.8 4.5 0.8 1.1 3.8 3.5 1.0 7.2 1.9 0.1 3.5 7.3 2.6 1.2 4.5 1.8 9.3 4.5 1.8 1.8 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.2 1.0 1.1 1.0 1.1 1.0 1.1 1.0 1.0 1.1 1.0 1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -9.9               |
| 2021 July   0.5   0.6   2.8   -5.7   -3.1   1.4   -0.1   5.2   0.8   -3.0   1.0   11.2   8.8   1.6   -0.1   2.8   7.3   1.9   0.1   7.2   5.7   4.7   2.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -13.9              |
| Feb 0.4 0.4 2.8 8.6 2.5 2.5 0.8 5.0 0.7 -20 0.3 8.6 4.8 0.8 0.0 2.7 6.8 1.3 -3.3 6.2 5.1 3.8 1.8 Mar 0.5 0.1 2.5 1.15 1.10 -1.2 1.0 1.2 1.0 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -18.2              |
| May 0.5 0.1 2.5 11.5 1.8 3.2 0.9 4.2 0.7 1.8 0.3 3.7 3.3 0.1 0.2 2.1 6.2 0.9 0.0 4.2 0.7 1.5 0.0 1.4 0.0 1.4 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.1 0.2 0.1 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.1 0.2 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -20.0              |
| Agr 0.5 9.2 2.0 -11.7 1-0 2.7 1.8 4.0 0.7 -1.1 1-1.4 1.4 3.1 0.0 0.2 1.4 5.1 0.7 0.0 1.2 3.4 -0.0 7.    May 0.2 9.3 -1.8 -1.28 -0.6 2.5 -2.1 2.2 0.4 -0.8 -2.5 -2.1 2.2 0.6 1.2 0.6 1.3 1.4 0.1 3.7 0.7 0.3 -0.1 0.1 3.8 0.8 0.0 0.0 0.0 2.7 -0.8 0.8 1.4    May 0.2 9.4 0.3 -1.27 1.8 0.8 3.5 2.9 0.5 0.5 0.5 0.2 -1.2 0.4 0.8 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      |                    |
| May 02 0.3 1.8 1.28 0.6 25 2.1 22 0.4 4.8 2.25 0.6 3.2 -0.3 -0.1 0.1 3.8 0.8 0.0 0.6 2.7 0.8 2.7 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -11.9<br>-7.5      |
| Jun 0.4 0.4 0.9 1.27 0.8 1.37 1.8 1.45 1.9 2.6 0.5 0.1 0.2 1.3 1.9 2.6 0.5 0.1 0.2 1.3 1.9 2.6 0.5 0.1 0.2 1.3 1.9 2.6 0.5 0.1 0.2 1.3 1.0 0.6 1.1 3.5 0.6 1.0 1.8 0.1 1.5 2.0 1.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | •                   |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      |                    |
| Percentage change, latest morn proview morns  ECYX  ECYY  ECYZ  ECZY  ECZS  EC | ,                   |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -0.5<br>-9.5       |
| ECYX   ECYY   ECYZ   ECZA   ECZC   ECZD   ECZE   ECZG   ECZG   ECZG   ECZG   ECZM   ECZM   ECZM   ECZM   ECZM   ECZM   ECZM   EDZM      |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -10.1              |
| 2021 July                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Percentage change,  | latest month on pr | evious month  |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      |                    |
| 2021 July                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>5</b>            | FCVY               | ECVV          | ECV7       | FC72  | EC7A          | EC7C | ECZD | EC7E           | ECZG | EC7K | EC7N     | FCZT             | EC7II        | ED2G      | ED2H        | ED2I | ED21 | ED2K | FD2I      | ED2M | ED2N | ED2O | ED2P               |
| Aug 0.9 1.2 0.5 18.6 0.1 3.9 1.0 0.4 1.0 0.4 1.0 0.3 1.6 120 0.6 0.0 0.1 0.5 0.5 0.2 1.4 4.4 5.4 3.2 1.12   Sep 0.6 0.2 1.0 1.0 1.5 0.5 1.8 1.17 0.5 0.9 0.3 2.7 0.9 1.2 3.1 0.0 1.1 2.6 2.6 0.5 1.3 4.5 1.9 6.1 1.9 0.4   Oct 0.1 0.1 0.1 1.0 1.3 0.3 0.7 5.0 3.3 0.3 0.4 0.4 0.4 0.1 5.2 3.6 0.6 0.1 2.0 3.1 0.7 1.2 3.2 0.1 2.9 1.7 5.0 2.3 5.0   Now 1.0 0.3 0.2 1.6 0.3 5.8 0.0 1.8 1.1 1.0 0.4 1.0 0.3 0.0 0.5 0.1 2.3 2.0 1.2 2.9 1.7 5.0 2.3 5.0   Dec 0.1 0.1 0.1 0.0 1.4 0.0 5.3 0.8 2.1 0.2 1.0 0.1 1.2 0.2 6.0 0.3 1.0 0.0 0.5 0.1 2.3 2.0 1.2 2.9 1.7 5.0 2.3 5.0   Dec 0.1 0.1 0.1 0.0 0.5 3. 0.8 2.1 0.2 1.0 0.1 1.2 0.2 6.0 0.4 1.1 1.2 0.0 0.4 0.4 0.1 1.2 0.0 0.4 0.4 0.2 0.2 0.6 4.6 0.2 2.7 5.6   Feb 0.1 0.7 0.3 0.1 0.5 0.3 0.0 0.5 0.1 0.3 0.0 0.5 0.1 0.3 0.0 0.5 0.5 0.5 0.5 0.5 0.5 0.2 0.1 0.0 1.8 0.4 0.0 0.7 0.7 0.9 0.1 1.2 0.2 0.0 0.4 0.4 0.5 0.4 0.4 0.1 0.1 0.9 0.4 0.4 0.2 0.2 0.6 4.6 0.2 2.7 3.4   Mar 0.1 0.3 0.1 0.5 0.1 1.8 0.4 2.0 0.0 0.2 0.1 0.0 1.4 0.5 7.4 1.4 0.5 0.4 0.6 1.7 0.0 0.4 0.6 1.7 0.0 0.6 4.0 0.4 4.7 0.5 0.4 0.4 0.1 0.1 0.9 0.3 0.0 0.5 0.1 0.4 4.7 0.5 0.4 0.4 0.4 0.1 0.1 0.9 0.3 0.0 0.5 0.1 0.4 4.7 0.5 0.3 4.1 0.5 0.3 0.4 0.4 0.1 0.1 0.9 0.3 0.0 0.5 0.1 0.4 4.7 0.5 0.3 0.4 0.4 0.1 0.1 0.9 0.3 0.0 0.5 0.1 0.4 4.7 0.5 0.3 0.4 0.4 0.1 0.1 0.9 0.3 0.0 0.5 0.1 0.4 4.7 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.3 0.4 0.1 0.5 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5                                                                                                                                                                                                                                                                                                                    |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      |                    |
| Sep                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -13.7              |
| Now 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      |                    |
| Nov 1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | 1.8                |
| Dec 0.1 0.1 0.1 0.0 2.4 0.0 0.7 0.7 0.9 0.1 2.5 0.4 6.3 0.9 0.1 0.1 0.5 0.8 0.5 0.5 3.2 0.5 2.7 3.3 2023 Jan 0.2 0.1 0.0 0.5 3.3 0.8 2.1 0.2 1.0 0.1 1.2 0.2 6.6 0.4 1.1 2.2 0.0 4.4 0.2 0.2 0.6 0.4 0.6 0.2 2.7 3.3 4.8 2.1 0.2 2.7 3.3 4.8 2.1 0.2 0.1 0.0 1.1 0.5 0.8 0.5 0.5 0.5 3.2 0.5 0.2 2.7 3.3 4.8 2.1 0.2 0.1 0.0 0.1 0.1 0.5 0.8 0.5 0.5 0.4 0.6 0.2 0.2 0.6 0.4 0.6 0.2 0.2 0.6 0.4 0.6 0.2 0.2 0.6 0.4 0.6 0.2 0.2 0.6 0.4 0.6 0.2 0.2 0.6 0.4 0.6 0.2 0.2 0.6 0.4 0.6 0.2 0.2 0.6 0.4 0.6 0.2 0.2 0.6 0.4 0.6 0.2 0.2 0.6 0.4 0.6 0.2 0.2 0.6 0.4 0.6 0.2 0.2 0.6 0.4 0.6 0.2 0.2 0.6 0.4 0.6 0.2 0.2 0.4 0.6 0.2 0.2 0.4 0.6 0.2 0.2 0.4 0.6 0.4 0.6 0.2 0.2 0.4 0.6 0.4 0.6 0.2 0.2 0.4 0.6 0.4 0.6 0.2 0.2 0.6 0.4 0.4 0.2 0.1 0.0 0.2 0.4 0.4 0.5 0.4 0.6 0.4 0.5 0.4 0.6 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | 3.1                |
| 2022 Jan 0.2 0.1 0.0 5.3 -0.8 2.1 0.2 1.0 0.1 1.2 0.2 6.0 4.1 1.2 0.0 0.4 0.2 0.2 -0.6 4.6 -0.2 2.7 -3   Feb -0.1 0.7 -0.3 -0.1 -0.5 0.3 -0.2 0.1 0.0 1.4 0.5 7.4 1.4 -0.5 -0.4 0.6 1.7 0.0 -0.6 -3.0 1.6 2.6 -7   Mar 0.1 0.3 -0.1 0.5 0.1 -1.6 0.4 2.0 0.0 -2.0 1.7 0.6 -1.4 0.1 0.1 0.9 0.3 0.0 -0.1 0.4 4.7 -0.7 -6   Apr 0.0 0.0 -0.4 -2.9 0.7 1.3 1.3 -0.1 0.0 1.7 -0.5 1.4 0.5 0.2 0.3 -0.4 1.0 0.0 1.1 0.4 4.7 -0.7 -6   Apr 0.0 0.0 -0.4 -2.9 0.7 1.3 1.3 -0.1 0.0 1.7 -0.5 1.4 0.5 0.2 0.3 -0.4 1.0 0.0 1.1 -4.6 2.5 -1.5 3   Unn -0.7 0.1 -1.1 -2.6 1.3 -0.8 1.6 -2.6 -0.5 -0.7 1.4 2.1 0.4 0.5 2.1 1.1 0.2 0.2 0.3 0.4 1.0 1.2 0.2 0.3 0.4 1.1 1.7 0.6 1.1   Unn -0.7 0.1 -1.1 -2.6 1.3 -0.8 1.6 -2.6 0.5 -0.7 1.4 2.1 0.4 0.3 0.1 1.1 1.2 2.5 0.4 0.2 -2.5 0.3 0.5 4   Unn -0.3 -0.1 -1.1 -2.5 0.4 0.2 -2.5 0.3 0.5 4   Unn -0.3 -0.1 -1.1 0.4 0.0 0.1 1.2 0.4 1.3 0.1 2.8 0.4 -5   Aug 0.0 0.3 -1.2 -8.2 0.8 0.7 0.3 0.6 0.2 0.3 1.3 -2.6 1.1 0.4 0.0 0.6 0.9 0.5 0.3 0.9 -3.6 -2.3 -5   Sep 0.7 0.5 0.1 1.1 0.0 0.2 0.5 0.1 1.1 0.9 0.9 2.2 0.6 0.1 1.0 0.1 1.3 1.5 0.2 0.7 0.5 1.6 0.7 0.2   Oct 0.7 0.1 0.1 0.3 0.3 0.1 1.2 0.0 0.2 0.5 0.1 0.9 0.2 0.5 0.1 0.9 0.2 0.5 0.6 0.7 0.0 0.3 1.0 0.1 1.3 1.5 0.2 0.7 0.5 1.6 0.7 0.2 0.5   Dec 0.5 0.0 0.2 -5.1 0.1 2.8 0.7 0.8 0.8 0.8 0.5 3.4 0.6 0.0 0.3 0.1 0.4 0.5 1.9 0.0 0.2 0.5 0.3 0.4 1.5 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.4 0.5 0.4 0.4 0.5 0.4 0.4 0.5 0.4 0.4 0.5 0.4 0.4 0.5 0.4 0.4 0.5 0.4 0.4 0.5 0.4 0.4 0.5 0.4 0.4 0.5 0.4 0.4 0.4 0.5 0.4 0.4 0.5 0.4 0.4 0.5 0.4 0.4 0.5 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4                                                                                                                                                                                                                                                                                                            |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      |                    |
| Feb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | 3.7<br>-3.2        |
| Mary 0.1 0.3 0.1 0.5 0.1 1.6 0.4 2.0 0.0 0.2 0.1 7 0.6 1.4 0.1 0.1 0.9 0.3 0.0 0.1 0.4 4.7 0.7 0.5 0.4 Apr 0.0 0 0.0 0.4 0.2 0.1 0.7 0.4 0.5 0.2 0.3 0.4 1.0 0.9 0.3 0.0 0.1 0.4 0.5 0.2 0.3 0.4 0.4 0.5 0.2 0.3 0.4 0.4 0.5 0.2 0.3 0.4 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.5 0.2 0.3 0.4 0.2 0.5 0.3 0.5 0.5 0.4 0.5 0.2 0.3 0.5 0.4 0.2 0.5 0.5 0.3 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -3.2<br>-7.8       |
| Apr 00 00 00 -04 -29 -07 13 13 13 -01 00 17 -05 14 0.5 0.2 0.3 -04 10 0.0 1.1 4.6 2.5 -1.5 3 3 May 0.8 0.2 0.1 0.7 0.4 0.5 -2.7 2.3 0.8 -1.1 0.9 0.9 1.1 0.4 0.2 2.6 1.3 0.2 0.3 -0.4 1.0 0.2 2.6 1.3 0.2 0.1 -1.1 -2.5 0.4 0.2 -2.5 0.3 -0.5 4 Jun 0.7 0.1 -1.1 -2.6 -1.3 0.8 1.6 -2.6 -0.5 0.7 -1.4 2.1 -0.4 0.3 -0.1 -1.1 -2.5 0.4 0.2 -2.5 0.3 -0.5 4 Jul 0.4 0.2 0.2 0.4 5.8 -0.6 0.6 0.6 -2.6 1.2 0.4 0.5 2.9 -1.1 0.2 0.2 0.0 0.1 1.2 0.4 0.3 0.9 3.6 -2.3 3.6 -2.3 5.5 Sep 0.0 0.3 1.2 -8.2 0.8 0.7 0.3 0.6 0.2 0.5 0.1 0.9 -22 0.6 0.9 0.5 0.3 1.3 -2.6 1.1 0.4 0.0 0.6 0.9 0.5 0.3 0.9 3.6 -2.3 5.5 Sep 0.0 0.7 0.1 0.1 1.1 0.0 0.2 0.2 0.5 0.1 0.9 0.9 0.2 0.5 0.1 0.9 0.9 0.2 0.5 0.1 0.9 0.2 0.5 0.1 0.9 0.2 0.5 0.1 0.9 0.2 0.5 0.1 0.9 0.2 0.5 0.1 0.9 0.2 0.5 0.1 0.9 0.2 0.5 0.1 0.9 0.2 0.5 0.1 0.9 0.2 0.5 0.1 0.9 0.2 0.5 0.1 0.9 0.2 0.5 0.1 0.9 0.2 0.2 0.0 0.3 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.2 0.3 0.3 0.3 0.2 0.3 0.3 0.3 0.2 0.3 0.0 0.2 0.3 0.3 0.0 0.2 0.3 0.3 0.0 0.2 0.2 0.2 0.0 0.2 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.2 0.7 0.5 0.5 0.1 0.9 0.2 0.2 0.2 0.0 0.2 0.0 0.5 0.1 0.9 0.2 0.5 0.1 0.0 0.2 0.2 0.2 0.0 0.2 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.2 0.3 0.3 0.2 0.0 0.2 0.2 0.2 0.0 0.2 0.2 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.2 0.2 0.0 0.2 0.2 0.0 0.3 0.3 0.1 0.0 0.2 0.3 0.3 0.2 0.2 0.2 0.0 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.2 0.1 0.0 0.2 0.1 0.0 0.2 0.1 0.0 0.2 0.1 0.0 0.2 0.1 0.0 0.2 0.1 0.0 0.2 0.1 0.0 0.2 0.1 0.0 0.2 0.1 0.0 0.2 0.1 0.1 0.1 0.8 0.0 0.1 0.0 0.2 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.0 0.0 0.1 0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -6.2               |
| Máy 0.8 0.2 0.1 0.7 0.4 0.5 -2.7 2.3 0.8 1.1 0.9 0.9 1.1 0.4 0.2 2.6 1.3 0.2 0.3 4.1 1.7 0.6 1 1 Jun 0.4 0.2 0.2 0.4 1.1 0.5 0.2 0.3 4.1 1.7 0.6 1 1 Jun 0.4 0.2 0.2 0.4 1.1 0.5 0.2 0.3 0.5 0.5 0.5 0.7 1.4 0.1 0.2 0.2 0.0 0.1 1.1 0.5 0.4 1.3 0.1 0.8 0.5 0.5 0.5 0.5 0.4 0.5 0.5 0.7 1.4 0.1 0.2 0.2 0.0 0.1 1.1 0.2 0.2 0.0 0.1 1.2 0.4 1.3 0.1 0.8 0.5 0.5 0.3 0.5 0.5 0.4 0.5 0.4 0.5 0.5 0.4 0.5 0.9 1.1 0.2 0.2 0.0 0.1 1.2 0.4 1.3 0.1 0.2 0.3 0.4 1.3 0.1 0.2 0.3 0.5 0.4 1.5 0.4 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.5 0.4 0.5 0.5 0.5 0.4 0.5 0.5 0.5 0.4 0.5 0.5 0.5 0.4 0.5 0.5 0.5 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | 3.3                |
| Jun 0.7 0.1 1.1 1 2.6 1.3 -0.8 1.6 2.6 0.5 0.7 1.4 2.1 -0.4 0.3 -0.1 1.1 1 2.5 0.4 0.2 2.5 0.3 -0.5 4 1.4 1.1 0.4 0.4 0.2 0.2 0.0 0.1 1.2 0.4 1.3 0.1 2.8 -0.4 5.8 0.4 0.2 0.3 0.5 4 1.2 0.4 0.5 2.9 1.1 0.2 0.2 0.0 0.1 1.2 0.4 1.3 0.1 2.8 -0.4 5.5 0.4 0.2 0.3 0.5 0.4 0.2 0.3 1.3 0.6 0.2 0.3 1.3 2.6 1.1 0.4 0.0 0.6 0.9 0.5 0.3 0.9 3.6 2.3 5.5 0.4 0.2 0.0 0.1 1.2 0.4 1.3 0.1 2.8 0.4 1.5 0.4 0.0 0.6 0.9 0.5 0.3 0.9 3.6 2.3 5.5 0.4 0.2 0.0 0.1 0.1 1.1 0.0 0.2 0.5 0.1 0.1 0.9 0.2 0.5 0.1 0.9 0.2 0.6 0.9 0.9 0.8 1.0 0.1 1.3 0.1 0.5 0.1 0.1 0.3 0.5 0.4 0.2 0.7 0.5 1.6 0.7 0.5 0.6 0.7 0.0 0.3 1.0 0.1 1.3 0.5 0.2 0.7 0.5 1.6 0.7 0.5 0.0 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.5 0.1 0.0 0.2 0.2 0.2 0.0 0.2 0.2 0.0 0.2 0.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | •                   |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | 1.8                |
| Jul         0.4         0.2         -0.4         5.8         -0.6         -0.6         -2.6         1.2         0.4         0.5         2.9         -1.1         0.2         0.2         0.0         0.1         1.2         0.4         1.3         0.1         2.8         -0.4         -5           Aug         0.0         -0.3         -1.2         -8.2         -0.8         -0.7         0.3         0.6         0.2         0.3         1.3         -2.6         1.1         -0.4         0.0         0.6         0.9         0.5         0.2         -5         5         5         -9         -0.7         -0.5         0.1         1.1         0.0         -0.2         0.5         -0.1         -0.9         -2.2         -0.6         -0.9         -2.8         -1.0         -0.1         -1.3         -1.5         0.5         0.3         0.9         -3.6         -2.3         -5         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | 4.1                |
| Aug 0.0 -0.3 -1.2 -8.2 -0.8 -0.7 0.3 0.6 0.2 0.3 1.3 -2.6 1.1 -0.4 0.0 0.6 0.9 0.5 0.3 0.9 -3.6 -2.3 -5.5 Sep -0.7 -0.5 0.1 1.1 0.0 -0.2 0.5 -0.1 -0.9 -2.2 -0.6 -0.9 -2.8 -1.0 -0.1 -1.3 -1.5 0.2 -0.7 0.5 0.5 -1.6 0.7 -2.0 Ct 0.7 0.1 0.3 0.3 0.3 0.3 1.1 0.9 -1.2 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.0 0.3 1.0 0.3 1.0 0.3 1.0 0.0 0.2 0.2 0.5 0.1 0.0 0.0 0.2 0.2 0.2 0.0 0.0 0.0 0.3 1.0 0.3 1.0 0.3 1.0 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -5.6               |
| Sep         -0.7         -0.5         0.1         1.1         0.0         -0.2         0.5         -0.1         -0.9         -2.2         -0.6         -0.9         -2.8         -1.0         -0.1         -1.3         -1.5         0.2         -0.7         0.5         -1.6         0.7         -2           Oct         0.7         0.1         0.3         -0.3         1.1         -2.9         -1.2         0.7         0.7         0.1         -0.5         0.6         0.7         0.0         0.3         1.0         -2.2         0.0         0.2         0.0         0.2         0.7         0.5         7.0         0.0         0.2         0.2         0.7         0.5         0.0         0.2         0.7         0.5         0.0         0.2         0.2         0.2         0.2         0.0         0.2         0.2         0.2         0.2         0.0         0.0         0.0         0.2         0.1         0.3         0.0         0.2         0.2         0.2         0.2         0.2         0.2         0.2         0.2         0.0         0.2         0.1         0.2         0.2         0.2         0.0         0.2         0.1         0.3         0.0         0.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -5.0               |
| Oct 0.7 0.1 0.3 -0.3 1.1 -2.9 -1.2 0.7 0.7 2.1 -0.5 0.6 0.7 0.0 0.3 1.0 2.1 0.0 -0.2 0.7 5.7 0.0 -0 Nov 0.2 -0.3 0.0 2.7 -0.5 -0.1 2.0 0.2 0.2 0.2 0.0 -2.0 1.5 3.1 -0.1 -0.4 -0.5 1.9 0.0 -0.3 0.3 -2.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -2.9               |
| Nov 0.2 -0.3 0.0 2.7 -0.5 -0.1 2.0 0.2 0.2 0.0 -2.0 1.5 3.1 -0.1 -0.4 -0.5 1.9 0.0 -0.3 0.3 -2.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |                    |               | 0.3        | -0.3  |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -0.5               |
| Dec -0.5 0.0 0.2 -5.1 0.1 3.8 0.7 0.8 -0.8 -0.5 -3.4 -0.6 0.0 0.3 -0.1 0.8 0.0 -0.1 -2.7 -3.2 -5.9 -0.6 -3 2023 Jan 0.4 0.0 -0.2 -3.3 0.4 -1.9 -0.7 -1.8 0.8 0.9 2.7 -0.3 0.8 0.3 0.1 -0.3 1.0 0.0 2.4 1.1 4.7 1.4 1  Feb 0.1 0.2 -0.1 2.3 0.1 -2.0 -1.2 2.6 -0.1 -0.3 -0.5 0.4 -0.2 0.2 0.0 -0.2 0.4 -1.0 0.0 2.4 1.1 4.7 1.4 1  Mar -0.2 0.0 0.8 -3.0 0.7 2.6 2.0 -0.2 -0.4 -1.5 -1.6 -0.5 -1.0 -0.1 0.1 0.0 -0.2 0.1 0.1 -0.3 0.5 0.2 0.5 -0.2 -0.6 0.6  Apr 0.2 0.1 0.0 -2.7 0.4 1.0 -1.9 -0.7 0.3 1.3 0.4 2.3 1.3 -0.1 -0.1 0.1 0.0 -0.9 0.1 0.1 -0.6 1.4 -1.1 2.2  Apr 0.2 0.1 0.0 -2.7 0.4 1.0 -1.9 -0.7 0.3 1.3 0.4 2.3 1.3 -0.1 -0.1 0.1 -0.8 0.5 0.2 0.5 -0.2 -0.6 0.6 0.6  May -0.1 0.0 -0.6 0.4 -0.1 -3.0 -2.2 -0.3 0.0 0.4 -0.2 0.8 0.0 1.5 1.3 -0.1 -0.2 -0.1 0.1 -0.8 0.5 0.2 0.5 0.2 0.5 -0.2 -0.6 0.6 0.9  Jun 0.5 0.1 1.8 -2.1 2.4 0.0 2.0 1.6 0.2 0.8 0.0 1.5 1.3 -0.2 -0.2 -0.2 -0.4 0.7 0.3 0.3 0.3 -0.8 -0.6 0.9 -1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     | 0.2                | -0.3          | 0.0        |       |               |      | 2.0  | 0.2            | 0.2  |      |          | 1.5              | 3.1          | -0.1      |             |      |      | 0.0  |           |      |      | 0.2  | 0.0                |
| Feb 0.1 0.2 -0.1 2.3 0.1 -2.0 -1.2 2.6 -0.1 -0.3 -0.5 0.4 -0.2 0.2 0.0 -0.2 0.4 -1.0 -1.6 0.6 1.7 1.9 1  Mar -0.2 0.0 0.8 -3.0 0.7 2.6 2.0 -0.2 -0.4 -1.5 -1.6 -0.5 -1.0 -0.1 0.1 0.0 -0.9 0.1 0.1 0.1 -0.6 1.4 -1.1 2  Apr 0.2 0.1 0.0 -2.7 0.4 1.0 -1.9 -0.7 0.3 1.3 0.4 2.3 1.3 -0.1 -0.1 -0.1 -0.8 0.5 0.2 0.5 -0.2 -0.6 0.6 0.6  May -0.1 0.0 -0.6 0.4 -0.1 -3.0 -2.2 -0.3 0.0 -0.4 -0.3 -1.5 0.1 -0.2 -0.1 0.1 -0.8 0.5 0.2 0.5 -0.2 -0.6 0.6  Jun 0.5 0.1 1.8 -2.1 2.4 0.0 2.0 1.6 0.2 0.8 0.0 1.5 1.3 -0.2 -0.2 -0.4 0.7 0.3 0.3 -0.8 -0.6 0.9 -1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     | -0.5               | 0.0           | 0.2        | -5.1  | 0.1           | 3.8  | 0.7  |                | -0.8 |      |          | -0.6             | 0.0          |           | -0.1        |      |      | -0.1 |           |      | -5.9 |      | -3.0               |
| Feb 0.1 0.2 -0.1 2.3 0.1 -2.0 -1.2 2.6 -0.1 -0.3 -0.5 0.4 -0.2 0.2 0.0 -0.2 0.4 -1.0 -1.6 0.6 1.7 1.9 1 Mar -0.2 0.0 0.8 -3.0 0.7 2.6 2.0 -0.2 -0.4 -1.5 -1.6 -0.5 -1.0 -0.1 0.1 0.0 -0.9 0.1 0.1 0.1 -0.6 1.4 -1.1 2 Apr 0.2 0.1 0.0 -2.7 0.4 1.0 -1.9 -0.7 0.3 1.3 0.4 2.3 1.3 -0.1 -0.1 -0.1 -0.8 0.5 0.2 0.5 -0.2 -0.6 0.6 0.4 -0.1 -3.0 -2.2 -0.3 0.0 -0.4 -0.3 -1.5 0.1 -0.2 -0.1 0.1 -0.2 -0.1 0.1 -0.8 0.5 0.2 0.5 -0.2 -0.6 0.6 0.9 1.0 0.0 0.5 0.1 1.8 -2.1 2.4 0.0 2.0 1.6 0.2 0.8 0.0 1.5 1.3 -0.2 -0.2 -0.2 -0.4 0.7 0.3 0.3 -0.8 -0.6 0.9 -1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2023 Jan            | 0.4                | 0.0           | -0.2       | -3.3  | 0.4           | -1.9 | -0.7 | -1.8           | 0.8  | 0.9  | 2.7      | -0.3             | 0.8          | 0.3       | 0.1         | -0.3 | 1.0  | 0.0  | 2.4       | 1.1  | 4.7  | 1.4  | 1.5                |
| Apr 0.2 0.1 0.0 -2.7 0.4 1.0 -1.9 -0.7 0.3 1.3 0.4 2.3 1.3 -0.1 -0.1 -0.8 0.5 0.2 0.5 -0.2 -0.6 0.6 0.0 May -0.1 0.0 -0.6 0.4 -0.1 -3.0 -2.2 -0.3 0.0 -0.4 -0.3 -1.5 0.1 -0.2 -0.1 0.1 -0.8 0.1 0.5 2.0 2.5 -1.0 0 Jun 0.5 0.1 1.8 -2.1 2.4 0.0 2.0 1.6 0.2 0.8 0.0 1.5 1.3 -0.2 -0.2 -0.2 -0.4 0.7 0.3 0.3 -0.8 -0.6 0.9 -1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Feb                 |                    |               | -0.1       |       |               |      |      | 2.6            | -0.1 |      | -0.5     |                  |              |           |             |      | 0.4  |      | -1.6      |      |      | 1.9  | 1.0                |
| Apr 0.2 0.1 0.0 -2.7 0.4 1.0 -1.9 -0.7 0.3 1.3 0.4 2.3 1.3 -0.1 -0.1 -0.8 0.5 0.2 0.5 -0.2 -0.6 0.6 0.6 May -0.1 0.0 -0.6 0.4 -0.1 -3.0 -2.2 -0.3 0.0 -0.4 -0.3 -1.5 0.1 -0.2 -0.1 0.1 -0.8 0.1 0.5 2.0 2.5 -1.0 0 Jun 0.5 0.1 1.8 -2.1 2.4 0.0 2.0 1.6 0.2 0.8 0.0 1.5 1.3 -0.2 -0.2 -0.2 -0.4 0.7 0.3 0.3 -0.8 -0.6 0.9 -1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Mar                 |                    | 0.0           | 8.0        |       | 0.7           | 2.6  | 2.0  |                | -0.4 |      | -1.6     |                  | -1.0         |           | 0.1         |      |      | 0.1  |           |      |      | -1.1 | 2.0                |
| May -0.1 0.0 -0.6 0.4 -0.1 -3.0 -2.2 -0.3 0.0 -0.4 -0.3 -1.5 0.1 -0.2 -0.1 0.1 -0.8 0.1 0.5 2.0 2.5 -1.0 0 Jun 0.5 0.1 1.8 -2.1 2.4 0.0 2.0 1.6 0.2 0.8 0.0 1.5 1.3 -0.2 -0.2 -0.4 0.7 0.3 0.3 -0.8 -0.6 0.9 -1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Apr                 |                    |               |            |       | 0.4           |      |      |                | 0.3  |      |          |                  |              |           |             |      |      |      |           |      |      |      | 0.0                |
| Jun 0.5 0.1 1.8 -2.1 2.4 0.0 2.0 1.6 0.2 0.8 0.0 1.5 1.3 -0.2 -0.2 -0.4 0.7 0.3 0.3 -0.8 -0.6 0.9 -1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |                    | 0.0           |            | 0.4   |               | -3.0 |      |                |      |      |          |                  | 0.1          |           |             |      |      | 0.1  | 0.5       |      |      |      | 0.0                |
| Jul -0.5 0.1 -0.7 1.9 -0.8 -1.5 -0.5 -0.5 -0.5 -0.4 -1.6 -0.4 -2.1 0.2 -0.3 0.4 -1.4 0.4 -1.1 -2.1 6.6 1.3 -1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      | -1.0               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Jul                 | -0.5               | 0.1           | -0.7       | 1.9   | -0.8          | -1.5 | -0.5 | -0.5           | -0.5 | -0.4 | -1.6     | -0.4             | -2.1         | 0.2       | -0.3        | 0.4  | -1.4 | 0.4  | -1.1      | -2.1 | 6.6  | 1.3  | -1.0               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                    |               |            |       |               |      |      |                |      |      |          |                  |              |           |             |      |      |      |           |      |      |      |                    |

6. The construction growth rates calculated from this release may have small differences to those in Construction Output in Great Britain\_releases, due to rounding differences. For the most accurate figure, please refer to the Construction Output release.

<sup>1</sup> The GVA output is designated as a National Statistic.
2 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
3 Estimates cannot be regarded as accurate to the last digit shown.
4 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
5 A complete run of data is available on the ONS website.

Sources: For further information on these data please telephone 01633 582428 or E-mail gdp@ons.gov.uk

|                   |                   |                 |            |           |               |             |          |                           |            |                 |             | Industry section | ons (SIC2007) |               |            |               |                |        |           |                 |                |            |                    |
|-------------------|-------------------|-----------------|------------|-----------|---------------|-------------|----------|---------------------------|------------|-----------------|-------------|------------------|---------------|---------------|------------|---------------|----------------|--------|-----------|-----------------|----------------|------------|--------------------|
|                   |                   |                 |            |           |               |             |          |                           |            | Wholesale       |             |                  |               |               |            |               |                |        |           |                 |                |            | Activities of      |
|                   | Total             |                 |            |           |               |             | Water    |                           |            | and retail:     |             | Accommodation    |               |               |            | Professional, | Administrative | Public |           |                 |                |            | households         |
|                   | GVA at            | Agriculture,    | Total      |           |               | Electricity | supply,  |                           | Total      | repair of       | _           | and food         | Information   | Financial     |            | scientific    | and support a  |        |           | Human health    | Arts,          | Other      | as employers,      |
|                   | basic             | forestry and    | production | Mining &  |               | gas, steam  | sewerage | 0 1 1: 6                  | service    | motor vehicles  | Transport   | service          | and           | and insurance |            | and technical | service        | and    |           | and social      | entertainment  | service    | undifferentiated   |
|                   | prices            | fishing         | industries | quarrying | Manufacturing | and air     | etc      | Construction <sup>6</sup> | industries | and motorcycles | and storage | activities       | Communication | activities    | activities | activities    | activities     |        | Education | work activities | and recreation | activities | goods and services |
| Section           | A-T               | A               | B-E        | В         | С             | D           | E        | F                         | G-T        | G               | Н           |                  | J             | K             | L          | M             | N              | 0      | P         | Q               | R              | S          | <u>T</u>           |
| 2019 weights      | 1000              | 7               | 135        | 11        | 97            | 15          | 12       | 62                        | 796        | 104             | 40          | 30               | 63            | 82            | 132        | 73            | 51             | 49     | 60        | 77              | 15             | 17         | 2                  |
| Percentage change | , latest month on | same month a ye | ear ago    |           |               |             |          |                           |            |                 |             |                  |               |               |            |               |                |        |           |                 |                |            |                    |
|                   | ED2R              | ED2S            | ED2T       | ED2U      | ED2V          | ED2W        | ED2X     | ED2Y                      | ED2Z       | ED32            | ED33        | ED34             | ED35          | ED36          | ED37       | ED38          | ED39           | ED3A   | ED3B      | ED3C            | ED3D           | ED3E       | ED3F               |
| 2021 Jul          | 9.3               | 9.4             | 5.8        | -19.7     | 9.0           | 2.0         | 8.3      | 12.2                      | 9.7        | 1.0             | 14.5        | 47.1             | 6.1           | 4.3           | -0.1       | 13.8          | 14.2           | 4.2    | 25.3      | 41.3            | 24.4           | -25.2      | 9.6                |
| Aug               | 8.0               | 9.3             | 4.3        | 2.7       | 5.6           | -3.3        | 5.3      | 8.4                       | 8.7        | 1.2             | 10.2        | 14.4             | 8.0           | 5.3           | -0.1       | 14.4          | 16.4           | 5.3    | 6.3       | 44.5            | 30.5           | -11.7      | -23.6              |
| Sep               | 7.4               | 8.2             | 1.7        | 1.2       | 2.4           | -5.5        | 5.7      | 5.3                       | 8.8        | 2.3             | 10.8        | 26.0             | 5.8           | 5.2           | -0.2       | 14.0          | 19.4           | 6.4    | -1.2      | 44.6            | 29.9           | -7.7       | -27.0              |
| Oct               | 6.9               | 9.1             | -0.4       | -5.3      | 0.2           | -7.3        | 7.3      | 3.0                       | 8.7        | 2.4             | 11.5        | 35.5             | 5.5           | 6.4           | -0.5       | 10.5          | 19.7           | 5.8    | -3.5      | 47.1            | 25.5           | -9.8       | -21.4              |
| Nov               | 10.0              | 9.1             | -1.7       | -4.6      | -2.5          | -1.5        | 6.7      | 4.3                       | 13.0       | 7.1             | 13.7        | 138.2            | 7.9           | 6.1           | -0.3       | 13.1          | 22.0           | 7.2    | 2.4       | 50.4            | 43.8           | 5.4        | -11.0              |
| Dec               | 8.2               | 7.7             | -2.4       | -11.6     | -2.2          | -3.4        | 4.5      | 6.9                       | 10.5       | 2.1             | 12.8        | 84.0             | 10.2          | 2.4           | -0.6       | 8.4           | 16.5           | 7.2    | 6.0       | 55.2            | 27.6           | -12.2      | -2.7               |
| 2022 Jan          | 11.6              | 7.6             | -0.9       | -4.0      | -0.8          | -4.6        | 5.1      | 9.7                       | 14.5       | 11.2            | 20.0        | 148.5            | 10.7          | 0.6           | -1.6       | 11.7          | 20.3           | 7.0    | 30.6      | 43.7            | 32.8           | 14.2       | -1.6               |
| Feb               | 10.8              | 7.2             | -1.5       | 3.3       | -2.0          | -5.3        | 3.6      | 5.8                       | 13.9       | 6.3             | 18.6        | 155.0            | 14.3          | 0.0           | -1.2       | 9.4           | 22.3           | 6.5    | 31.9      | 37.5            | 35.8           | 11.1       | -2.2               |
| Mar               | 8.4               | 6.2             | -2.4       | 2.0       | -3.1          | -5.1        | 3.6      | 4.6                       | 11.0       | 0.7             | 17.5        | 160.0            | 11.9          | -0.9          | -1.0       | 5.6           | 17.2           | 6.2    | 17.2      | 30.5            | 46.5           | 12.4       | 7.1                |
| Apr               | 5.1               | 6.6             | -2.0       | 19.4      | -3.9          | -6.7        | 6.0      | 3.1                       | 6.7        | -5.5            | 15.5        | 79.8             | 7.8           | -0.7          | -0.5       | 7.1           | 18.6           | 4.0    | 3.9       | 17.5            | 41.1           | -9.6       | -7.6               |
| May               | 4.6               | 5.4             | -3.3       | 15.2      | -4.0          | -12.0       | 3.1      | 6.4                       | 6.0        | -6.1            | 18.5        | 33.9             | 9.6           | 0.0           | -0.3       | 10.0          | 18.2           | 2.9    | 1.6       | 13.5            | 28.7           | 6.2        | -17.2              |
| Jun               | 2.8               | 3.6             | -2.8       | 25.4      | -4.7          | -7.4        | 2.4      | 4.5                       | 3.7        | -7.1            | 12.2        | 21.1             | 9.7           | 0.5           | -0.5       | 4.7           | 13.1           | 3.0    | -0.7      | 5.0             | 28.6           | 10.5       | -20.9              |
| Jul               | 3.3               | 2.5             | -3.3       | 11.4      | -4.9          | -3.3        | -0.9     | 6.4                       | 4.4        | -5.3            | 13.8        | 18.1             | 8.5           | 1.4           | 0.2        | 6.1           | 12.8           | 2.9    | 0.9       | 6.4             | 28.5           | 8.0        | -13.5              |
| Aug               | 2.5               | 1.0             | -5.0       | -13.7     | -5.6          | -0.1        | 0.4      | 7.5                       | 3.5        | -4.8            | 13.5        | 2.8              | 9.0           | 1.1           | 0.1        | 6.2           | 13.2           | 3.2    | 2.7       | 2.8             | 17.6           | 2.3        | -5.9               |
| Sep               | 1.1               | 0.7             | -4.0       | -9.6      | -5.1          | 1.5         | 2.6      | 6.8                       | 1.6        | -6.6            | 9.8         | 1.0              | 8.4           | -0.9          | 0.0        | 2.2           | 8.7            | 2.9    | 3.4       | -1.1            | 13.5           | -2.9       | -10.3              |
| Oct               | 1.7               | 0.7             | -2.6       | -6.3      | -3.3          | 3.8         | -1.9     | 7.9                       | 2.0        | -5.1            | 9.1         | 7.2              | 5.4           | -1.6          | 0.5        | 5.3           | 7.7            | 3.6    | 4.5       | -3.5            | 16.7           | -1.9       | -13.4              |
| Nov               | 0.9               | 0.7             | -2.9       | -1.2      | -3.6          | -2.1        | 0.1      | 6.2                       | 1.1        | -4.2            | 2.7         | 9.1              | 8.7           | -2.1          | 0.0        | 2.5           | 7.6            | 2.4    | 1.2       | -4.9            | 8.7            | -4.0       | -17.7              |
| Dec               | 0.2               | 0.6             | -2.7       | -3.9      | -3.5          | 0.9         | 0.2      | 6.1                       | 0.3        | -2.2            | -1.1        | 15.8             | 7.6           | -2.0          | -0.2       | 2.9           | 6.7            | 1.8    | -1.9      | -10.8           | 1.8            | -4.5       | -23.0              |
| 2023 Jan          | 0.5               | 0.5             | -2.9       | -11.8     | -2.3          | -3.1        | -0.7     | 3.2                       | 0.9        | -2.5            | 1.4         | 9.0              | 4.3           | -0.6          | -0.1       | 3.0           | 7.5            | 1.6    | 1.0       | -5.5            | 6.7            | -5.7       | -19.3              |
| Feb               | 0.6               | 0.0             | -2.7       | -9.7      | -1.8          | -5.2        | -1.7     | 5.8                       | 0.8        | -1.3            | 0.5         | 1.9              | 2.6           | 0.1           | 0.3        | 2.1           | 6.1            | 0.6    | 0.0       | -2.0            | 6.8            | -1.3       | -11.6              |
| Mar               | 0.3               | -0.3            | -1.9       | -12.8     | -1.1          | -1.2        | -0.2     | 3.5                       | 0.4        | -0.8            | -2.7        | 8.0              | 3.0           | 0.1           | 0.3        | 1.2           | 4.9            | 0.6    | 0.2       | -2.9            | 3.3            | -1.7       | -3.8               |
| Apr               | 0.6               | -0.3            | -1.4       | -12.6     | -0.1          | -1.5        | -3.3     | 2.9                       | 0.7        | -1.2            | -1.8        | 1.7              | 3.8           | -0.2          | -0.1       | 0.9           | 4.4            | 0.9    | -0.3      | 1.6             | 0.2            | 0.4        | -6.9               |
| May               | -0.3              | -0.4            | -2.1       | -12.9     | -0.6          | -4.9        | -2.8     | 0.3                       | -0.1       | -0.5            | -3.0        | -0.7             | 2.8           | -0.7          | -0.4       | -1.6          | 2.2            | 8.0    | 0.0       | -0.5            | 4.5            | -1.2       | -8.6               |
| Jun               | 0.9               | -0.4            | 0.7        | -12.5     | 3.1           | -4.0        | -2.5     | 4.6                       | 0.7        | 1.0             | -1.6        | -1.3             | 4.5           | -1.2          | -0.5       | -1.0          | 5.5            | 0.7    | 0.0       | 1.3             | 3.5            | 0.3        | -13.0              |
| Jul               | 0.0               | -0.5            | 0.4        | -15.7     | 3.0           | -5.0        | -0.4     | 2.8                       | -0.3       | 0.1             | -5.8        | -0.6             | 2.2           | -1.2          | -0.9       | -0.6          | 2.8            | 0.7    | -2.4      | -1.0            | 7.4            | 2.0        | -8.7               |

<sup>1</sup> The GVA output is designated as a National Statistic.
2 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
3 Estimates cannot be regarded as accurate to the last digit shown.
4 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
5 A complete run of data is available on the ONS website.
6 The construction growth rates calculated from this release may have small differences to those in Construction Output in Great Britain releases, due to rounding differences. For the most accurate figure, please refer to the Construction Output release.

seasonally adjusted 2019=100 Periods open for revision: No open periods

|                       |                    |                |                  |            |               |             |               |                |            |                       |             | Industry section          | ns (SIC2007)  |               |             |                             |                |            |            |                 |               |            |                          |
|-----------------------|--------------------|----------------|------------------|------------|---------------|-------------|---------------|----------------|------------|-----------------------|-------------|---------------------------|---------------|---------------|-------------|-----------------------------|----------------|------------|------------|-----------------|---------------|------------|--------------------------|
|                       | Total              |                |                  |            |               |             | \\/atax       |                |            | Wholesale and retail: |             | Assammadation             |               |               |             | Drefessional                | Administrative | Public     |            |                 |               |            | Activities of households |
|                       | GVA at             | Agriculture,   | Total            |            |               | Electricity | Water supply, |                | Total      | repair of             |             | Accommodation<br>and food | Information   | Financial     |             | Professional,<br>scientific | and support ac |            |            | Human health    | Arts,         | Other      | as employers,            |
|                       | basic              | forestry and   | production       | Mining &   |               | gas, steam  | sewerage      |                | service    | motor vehicles        | Transport   | service                   | and           | and insurance | Real estate | and technical               | service        | and        |            | and social      | entertainment | service    | undifferentiated         |
|                       | prices             | fishing        | industries       |            | Manufacturing | and air     |               | Construction 4 | industries | and motorcycles       | and storage | activities                | Communication | activities    | activities  | activities                  | activities     |            | Education  | work activities |               | activities | goods and services       |
| Section               | A-T                | A              | B-E              | В          | С             | D           | E             | F              | G-T        | G                     | Н           | 1                         | J             | K             | L           | M                           | N              | 0          | P          | Q               |               | S          | <u>T</u>                 |
| 2019 weights          | 1000               | 7              | 135              | 11         | 97            | 15          | 12            | 62             | 796        | 104                   | 40          | 30                        | 63            | 82            | 132         | 73                          | 51             | 49         | 60         | 77              | 15            | 17         | 2                        |
| Percentage change, la | latest 3 months on | previous 3 mon | ths <sup>3</sup> |            |               |             |               |                |            |                       |             |                           |               |               |             |                             |                |            |            |                 |               |            |                          |
| 2021 Jun              | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Jul                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Aug<br>Sep            | 0.0<br>0.0         | 0.0<br>0.0     | 0.0<br>0.0       | 0.0<br>0.0 | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0    | 0.0<br>0.0     | 0.0        | 0.0<br>0.0            | 0.0<br>0.0  | 0.0<br>0.0                | 0.0<br>0.0    | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0                  | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0 | 0.0             | 0.0           | 0.0<br>0.0 | 0.0<br>0.0               |
| Oct                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Nov                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Dec                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| 2022 Jan              | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Feb                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Mar                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Apr                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| May                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Jun                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Jul                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Aug                   | 0.0<br>0.0         | 0.0<br>0.0     | 0.0<br>0.0       | 0.0        | 0.0<br>0.0    | 0.0<br>0.0  | 0.0           | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0            | 0.0<br>0.0  | 0.0<br>0.0                | 0.0<br>0.0    | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0                  | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0 | 0.0<br>0.0      | 0.0<br>0.0    | 0.0<br>0.0 | 0.0<br>0.0               |
| Sep<br>Oct            | 0.0                | 0.0            | 0.0              | 0.0<br>0.0 | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Nov                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Dec                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| 2023 Jan              | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Feb                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Mar                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Apr                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| May                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Jun                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Percentage change, la | latest 3 months on | same 3 months  | a year ago ³     |            |               |             |               |                |            |                       |             |                           |               |               |             |                             |                |            |            |                 |               |            |                          |
| 2021 Jun              | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Jul                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Aug                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Sep                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Oct                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Nov                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Dec                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| 2022 Jan              | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Feb                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Mar                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Apr<br>May            | 0.0<br>0.0         | 0.0<br>0.0     | 0.0<br>0.0       | 0.0<br>0.0 | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0    | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0            | 0.0<br>0.0  | 0.0<br>0.0                | 0.0<br>0.0    | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0                  | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0 | 0.0<br>0.0      | 0.0<br>0.0    | 0.0<br>0.0 | 0.0<br>0.0               |
| Jun                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Jul                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Aug                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Sep                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Oct                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Nov                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Dec                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| 2023 Jan              | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Feb                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Mar                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Apr                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| May                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
| Jun                   | 0.0                | 0.0            | 0.0              | 0.0        | 0.0           | 0.0         | 0.0           | 0.0            | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0           | 0.0        | 0.0                      |
|                       |                    |                |                  |            |               |             |               |                |            |                       |             |                           |               |               |             |                             |                |            |            |                 |               |            |                          |

<sup>1</sup> The GVA output is designated as a National Statistic.

2 Estimates cannot be regarded as accurate to the last digit shown.

3 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

4 Monthly data from the construction survey are only available from January 2010, therefore the data prior to this period are derived using statistical methods from the available quarterly data, and should therefore be treated with some caution.

seasonally adjusted 2019=100 Periods open for revision: No open periods

|                         |                      |                |            |            |               |             |               |                           |            |                       |             | Industry section          | ns (SIC2007)  |               |             |                             |                |            |            |                 |                |            |                          |
|-------------------------|----------------------|----------------|------------|------------|---------------|-------------|---------------|---------------------------|------------|-----------------------|-------------|---------------------------|---------------|---------------|-------------|-----------------------------|----------------|------------|------------|-----------------|----------------|------------|--------------------------|
|                         | Total                |                |            |            |               |             | \\/atax       |                           |            | Wholesale and retail: |             | Assammadation             |               |               |             | Drefessional                | Administrative | Public     |            |                 |                |            | Activities of households |
|                         | GVA at               | Agriculture,   | Total      |            |               | Electricity | Water supply, |                           | Total      | repair of             |             | Accommodation<br>and food | Information   | Financial     |             | Professional,<br>scientific | and support ac |            |            | Human health    | Arts,          | Other      | as employers,            |
|                         | basic                | forestry and   | production | Mining &   |               | gas, steam  | sewerage      |                           | service    | motor vehicles        | Transport   | service                   | and           | and insurance | Real estate | and technical               | service        | and        |            | and social      | entertainment  | service    | undifferentiated         |
|                         | prices               | fishing        | industries |            | Manufacturing | and air     |               | Construction <sup>4</sup> | industries | and motorcycles       | and storage | activities                | Communication | activities    | activities  | activities                  | activities     |            | Education  | work activities | and recreation | activities | goods and services       |
| Section<br>2019 weights | A-T<br>1000          | A              | B-E        | B          | C             | D           | E             | F                         | G-T        | G                     | H<br>40     |                           | J             | K             | L           | M                           | N .            | 0          | P          | Q               | R              | S          | <u>T</u>                 |
| 2019 weights            | 1000                 | 7              | 135        | 11         | 97            | 15          | 12            | 62                        | 796        | 104                   | 40          | 30                        | 63            | 82            | 132         | 73                          | 51             | 49         | 60         | 77              | 15             | 17         |                          |
| Percentage change,      | latest month on pre  | evious month 3 |            |            |               |             |               |                           |            |                       |             |                           |               |               |             |                             |                |            |            |                 |                |            |                          |
| 2021 Jun                | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Jul<br>Aug              | 0.0<br>0.0           | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0 | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0    | 0.0<br>0.0                | 0.0<br>0.0 | 0.0<br>0.0            | 0.0<br>0.0  | 0.0<br>0.0                | 0.0<br>0.0    | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0                  | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0 | 0.0<br>0.0      | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0               |
| Sep                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Oct                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Nov                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Dec                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| 2022 Jan<br>Feb         | 0.0<br>0.0           | 0.0<br>0.0     | 0.0<br>0.0 | 0.0        | 0.0<br>0.0    | 0.0         | 0.0<br>0.0    | 0.0<br>0.0                | 0.0<br>0.0 | 0.0<br>0.0            | 0.0<br>0.0  | 0.0<br>0.0                | 0.0<br>0.0    | 0.0<br>0.0    | 0.0         | 0.0                         | 0.0<br>0.0     | 0.0<br>0.0 | 0.0        | 0.0             | 0.0<br>0.0     | 0.0<br>0.0 | 0.0                      |
| Mar                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0<br>0.0               |
| Apr                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| May                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Jun                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Jul                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Aug<br>Sep              | 0.0<br>0.0           | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0 | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0    | 0.0<br>0.0                | 0.0<br>0.0 | 0.0<br>0.0            | 0.0<br>0.0  | 0.0<br>0.0                | 0.0<br>0.0    | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0                  | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0 | 0.0<br>0.0      | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0               |
| Oct                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Nov                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Dec                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| 2023 Jan                | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Feb                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Mar<br>Apr              | 0.0<br>0.0           | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0 | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0    | 0.0<br>0.0                | 0.0<br>0.0 | 0.0<br>0.0            | 0.0<br>0.0  | 0.0<br>0.0                | 0.0<br>0.0    | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0                  | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0 | 0.0<br>0.0      | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0               |
| May                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Jun                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Percentage change       | , latest month on sa | ame month a ye | ar ago ³   |            |               |             |               |                           |            |                       |             |                           |               |               |             |                             |                |            |            |                 |                |            |                          |
| 2021 Jun                | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Jul                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Aug                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Sep                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Oct<br>Nov              | 0.0<br>0.0           | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0 | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0    | 0.0<br>0.0                | 0.0<br>0.0 | 0.0<br>0.0            | 0.0<br>0.0  | 0.0<br>0.0                | 0.0<br>0.0    | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0                  | 0.0<br>0.0     | 0.0<br>0.0 | 0.0        | 0.0<br>0.0      | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0               |
| Dec                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| 2022 Jan                | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Feb                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Mar                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Apr                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| May<br>Jun              | 0.0<br>0.0           | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0 | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0    | 0.0<br>0.0                | 0.0<br>0.0 | 0.0<br>0.0            | 0.0<br>0.0  | 0.0<br>0.0                | 0.0<br>0.0    | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0                  | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0 | 0.0<br>0.0      | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0               |
| Jul                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Aug                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Sep                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Oct                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Nov                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Dec                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| 2023 Jan<br>Feb         | 0.0<br>0.0           | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0 | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0    | 0.0<br>0.0                | 0.0<br>0.0 | 0.0<br>0.0            | 0.0<br>0.0  | 0.0<br>0.0                | 0.0<br>0.0    | 0.0<br>0.0    | 0.0<br>0.0  | 0.0<br>0.0                  | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0 | 0.0<br>0.0      | 0.0<br>0.0     | 0.0<br>0.0 | 0.0<br>0.0               |
| Mar                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Apr                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| May                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
| Jun                     | 0.0                  | 0.0            | 0.0        | 0.0        | 0.0           | 0.0         | 0.0           | 0.0                       | 0.0        | 0.0                   | 0.0         | 0.0                       | 0.0           | 0.0           | 0.0         | 0.0                         | 0.0            | 0.0        | 0.0        | 0.0             | 0.0            | 0.0        | 0.0                      |
|                         |                      |                |            |            |               |             |               |                           |            |                       |             |                           |               |               |             |                             |                |            |            |                 |                |            |                          |

<sup>1</sup> The GVA output is designated as a National Statistic.
2 Estimates cannot be regarded as accurate to the last digit shown.
3 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
4 Monthly data from the construction survey are only available from January 2010, therefore the data prior to this period are derived using statistical methods from the available quarterly data, and should therefore be treated with some caution.

|                                    |                |                              |                  |                |                |                           |                     |                |                  |                             | Industry       | sections (SIC2007   | ')                 |                            |                |                             |                           |                      |                |                            |                     |                  |                                   |
|------------------------------------|----------------|------------------------------|------------------|----------------|----------------|---------------------------|---------------------|----------------|------------------|-----------------------------|----------------|---------------------|--------------------|----------------------------|----------------|-----------------------------|---------------------------|----------------------|----------------|----------------------------|---------------------|------------------|-----------------------------------|
|                                    | T-4-1          |                              |                  |                |                |                           |                     |                |                  | Wholesale                   |                |                     |                    |                            |                | 5                           |                           | D                    |                |                            |                     |                  | Activities of                     |
|                                    | Total          | A!14                         | Tatal            |                |                | Electricity.              | Water               |                | Tatal            | and retail:                 |                | Accommodation       | I                  | Fig i - i                  |                |                             | Administrative            | Public               |                | 11                         | A 4                 | 044              | households                        |
|                                    | GVA at basic   | Agriculture,<br>forestry and | Total production | Mining &       |                | Electricity<br>gas, steam | supply,<br>sewerage |                | Total<br>service | repair of<br>motor vehicles | Transport      | and food<br>service | Information<br>and | Financial<br>and insurance | Real estate    | scientific<br>and technical | and support ac<br>service | aministration<br>and |                | Human health<br>and social | Arts, entertainment | Other<br>service | as employers,<br>undifferentiated |
|                                    | prices         | fishing                      | industries       |                | Manufacturing  | and air                   | etc                 | Construction   | industries       | and motorcycles             | and storage    |                     | Communication      | activities                 | activities     | activities                  | activities                | defence              | Education      |                            | and recreation      | activities       | goods and services                |
| Section                            | A-T            | A                            | B-E              | В              | C              | D                         | E                   | F              | G-T              | G                           | Н              | I                   | J                  | K                          | L              | M                           | N                         | 0                    | Р              | Q                          | R                   | S                |                                   |
| 2019 weights                       | 1000           | 7                            | 137              | 11             | 99             | 15                        | 12                  | 64             | 792              | 105                         | 40             | 29                  | 62                 | 82                         | 131            | 74                          | 51                        | 48                   | 59             | 76                         | 16                  | 17               | 2                                 |
| Contribution to growth, latest 3 m | onths on previ | ous 3 months                 |                  |                |                |                           |                     |                |                  |                             |                |                     |                    |                            |                |                             |                           |                      |                |                            |                     |                  |                                   |
| grown, according                   |                |                              |                  |                |                |                           |                     |                |                  |                             |                |                     |                    |                            |                |                             |                           |                      |                |                            |                     |                  |                                   |
|                                    | EDMB           | EDMC                         | EDMD             | EDME           | EDMF           | EDMG                      | EDMH                | EDMI           | EDMJ             | EDMK                        | EDML           | EDMM                | EDMN               | EDMO                       | EDMP           | EDMQ                        | EDMR                      | EDMS                 | EDMT           | EDMU                       | EDMV                | EDMW             | EDMX                              |
| 2021 Jul                           | 4.81           | 0.02                         | 0.02             | -0.06          | 0.05           | 0.04                      | 0.02                | 0.02           | 4.90             | 0.60                        | 0.11           | 1.28                | 0.17               | -0.04                      | -0.05          | 0.18                        | 0.24                      | 0.16                 | 1.09           | 1.47                       | 0.15                | -0.08            | 0.03                              |
| Aug                                | 3.11<br>1.72   | 0.03                         | -0.09<br>-0.05   | 0.02<br>0.13   | -0.06<br>-0.09 | -0.08<br>-0.15            | 0.03<br>0.01        | -0.09<br>-0.09 | 3.39<br>1.92     | 0.17<br>-0.16               | 0.16<br>0.18   | 1.08<br>0.69        | 0.11<br>0.03       | -0.08<br>-0.05             | -0.05<br>-0.07 | 0.20                        | 0.20<br>0.22              | 0.11<br>0.07         | 0.53<br>0.06   | 1.17<br>0.86               | 0.14<br>0.12        | -0.09<br>-0.03   | 0.01                              |
| Sep<br>Oct                         | 1.72           | 0.03<br>0.02                 | -0.05<br>-0.12   | 0.13           | -0.09          | -0.15<br>-0.18            | 0.00                | -0.09<br>-0.05 | 1.76             | -0.16<br>-0.12              | 0.18           | 0.69                | 0.03               | 0.03                       | -0.07          | 0.19<br>0.15                | 0.22                      | 0.07                 | -0.14          | 0.86                       | 0.12                | 0.03             | -0.02<br>-0.03                    |
| Nov                                | 1.54           | 0.02                         | -0.12            | 0.13           | -0.11          | -0.10                     | 0.00                | 0.02           | 1.74             | -0.12                       | 0.19           | 0.15                | 0.06               | 0.03                       | -0.03          | 0.15                        | 0.23                      | 0.04                 | -0.15          | 0.96                       | 0.12                | 0.03             | -0.03                             |
| Dec                                | 1.52           | 0.00                         | -0.18            | -0.02          | -0.12          | -0.05                     | 0.02                | 0.08           | 1.69             | -0.13                       | 0.18           | -0.10               | 0.17               | 0.14                       | -0.01          | 0.12                        | 0.34                      | 0.04                 | -0.03          | 1.00                       | 0.13                | 0.08             | 0.01                              |
| 2022 Jan                           | 1.41           | 0.00                         | -0.10            | -0.06          | -0.11          | 0.04                      | 0.03                | 0.16           | 1.40             | -0.21                       | 0.18           | -0.18               | 0.23               | 0.08                       | 0.01           | 0.15                        | 0.29                      | 0.07                 | 0.11           | 0.55                       | 0.11                | 0.06             | 0.01                              |
| Feb                                | 0.91           | 0.00                         | -0.03            | -0.02          | -0.10          | 0.06                      | 0.02                | 0.15           | 0.80             | -0.27                       | 0.12           | -0.06               | 0.35               | -0.03                      | 0.00           | 0.09                        | 0.21                      | 0.06                 | 0.09           | 0.12                       | 0.07                | 0.03             | 0.00                              |
| Mar                                | 0.55           | 0.01                         | -0.01            | 0.02           | -0.10          | 0.06                      | 0.01                | 0.17           | 0.40             | -0.25                       | 0.09           | 0.18                | 0.34               | -0.11                      | -0.02          | 0.10                        | 0.14                      | 0.05                 | 0.01           | -0.38                      | 0.06                | 0.02             | -0.01                             |
| Apr                                | 0.13           | 0.01                         | -0.06            | 0.02           | -0.11          | 0.02                      | 0.01                | 0.13           | 0.05             | -0.23                       | 0.06           | 0.28                | 0.24               | -0.11                      | -0.02          | 0.07                        | 0.14                      | 0.02                 | -0.04          | -0.61                      | 0.08                | -0.03            | -0.02                             |
| May<br>Jun                         | 0.34<br>0.30   | 0.01<br>0.00                 | -0.07<br>-0.11   | 0.00<br>-0.03  | -0.08<br>-0.09 | 0.00                      | 0.00<br>0.00        | 0.18<br>0.11   | 0.22<br>0.31     | -0.18<br>-0.11              | 0.07<br>0.03   | 0.25<br>0.16        | 0.10<br>0.04       | -0.05<br>0.02              | 0.01<br>0.04   | 0.13<br>0.13                | 0.14<br>0.10              | 0.01<br>0.01         | 0.00<br>0.07   | -0.47<br>-0.33             | 0.10<br>0.08        | -0.03<br>-0.04   | -0.01<br>0.00                     |
| Jul                                | 0.45           | 0.00                         | -0.11            | -0.03          | -0.09          | 0.00                      | -0.02               | 0.09           | 0.51             | -0.09                       | 0.03           | 0.09                | 0.04               | 0.02                       | 0.04           | 0.13                        | 0.10                      | 0.01                 | 0.07           | -0.06                      | 0.04                | -0.04            | 0.00                              |
| Aug                                | 0.04           | 0.00                         | -0.13            | -0.02          | -0.18          | -0.01                     | -0.02               | -0.01          | 0.32             | -0.04                       | 0.05           | 0.05                | 0.07               | 0.05                       | 0.02           | 0.06                        | -0.01                     | 0.05                 | 0.10           | -0.10                      | 0.01                | -0.02            | 0.00                              |
| Sep                                | -0.09          | 0.00                         | -0.23            | -0.01          | -0.17          | -0.02                     | -0.03               | 0.03           | 0.14             | -0.08                       | 0.10           | -0.04               | 0.00               | 0.00                       | 0.00           | 0.01                        | 0.00                      | 0.06                 | 0.10           | 0.04                       | -0.01               | -0.03            | -0.01                             |
| Oct                                | -0.26          | 0.00                         | -0.21            | -0.04          | -0.12          | -0.04                     | -0.01               | 0.04           | -0.07            | -0.04                       | 0.08           | -0.09               | -0.04              | -0.07                      | 0.00           | -0.02                       | 0.03                      | 0.06                 | 0.05           | 0.06                       | -0.02               | -0.03            | -0.01                             |
| Nov                                | -0.10          | 0.00                         | -0.08            | -0.02          | -0.02          | -0.04                     | -0.01               | 0.07           | -0.08            | -0.05                       | 0.01           | -0.07               | -0.04              | -0.10                      | 0.00           | -0.03                       | 0.08                      | 0.04                 | -0.01          | 0.15                       | 0.00                | -0.01            | -0.01                             |
| Dec                                | 0.14           | 0.00                         | 0.01             | -0.02          | 0.05           | -0.03                     | 0.01                | 0.08           | 0.05             | 0.05                        | -0.11          | 0.00                | 0.08               | -0.07                      | -0.01          | 0.02                        | 0.15                      | 0.01                 | -0.10          | 0.04                       | 0.00                | 0.00             | -0.01                             |
| 2023 Jan                           | 0.20           | 0.00                         | 0.04             | -0.02          | 0.04           | -0.01                     | 0.02                | 0.04           | 0.12             | 0.06                        | -0.16          | 0.03                | 0.19               | -0.02                      | -0.03          | 0.02                        | 0.17                      | 0.00                 | -0.10          | -0.07                      | -0.02               | 0.01             | 0.00                              |
| Feb<br>Mar                         | 0.16<br>0.13   | 0.00<br>0.00                 | 0.02<br>0.02     | -0.05<br>-0.06 | 0.04<br>0.06   | 0.01<br>0.00              | 0.01<br>0.00        | 0.05<br>0.03   | 0.08<br>0.09     | 0.07<br>-0.01               | -0.13<br>-0.04 | 0.01<br>0.00        | 0.18<br>0.09       | 0.03<br>0.04               | -0.02<br>-0.01 | 0.05<br>0.00                | 0.15<br>0.09              | -0.02<br>-0.04       | -0.12<br>-0.04 | -0.16<br>-0.07             | -0.03<br>0.02       | 0.01<br>0.03     | 0.00<br>0.00                      |
| Apr                                | 0.11           | 0.00                         | 0.05             | -0.05          | 0.10           | 0.00                      | -0.01               | 0.07           | -0.02            | -0.04                       | -0.03          | 0.01                | 0.00               | 0.02                       | 0.01           | -0.03                       | 0.03                      | -0.05                | -0.04          | -0.02                      | 0.05                | 0.03             | 0.00                              |
| May                                | 0.08           | 0.00                         | 0.07             | -0.04          | 0.11           | 0.00                      | -0.01               | 0.02           | -0.01            | -0.06                       | -0.03          | 0.02                | 0.00               | -0.01                      | 0.00           | -0.06                       | -0.01                     | -0.02                | 0.02           | 0.06                       | 0.07                | 0.01             | 0.00                              |
| Jun                                | 0.21           | 0.00                         | 0.10             | -0.04          | 0.15           | 0.00                      | -0.02               | 0.02           | 0.09             | 0.02                        | -0.04          | 0.05                | 0.07               | -0.03                      | -0.02          | -0.08                       | -0.01                     | 0.00                 | 0.03           | 0.06                       | 0.04                | 0.00             | 0.00                              |
| Jul                                | 0.17           | 0.00                         | 0.09             | -0.03          | 0.16           | -0.04                     | -0.02               | 0.00           | 0.07             | 0.04                        | -0.04          | 0.02                | 0.05               | -0.03                      | -0.05          | -0.05                       | -0.04                     | 0.03                 | 0.04           | 0.03                       | 0.07                | 0.00             | 0.00                              |
| Contribution to growth, latest 3 m | nonths on same | 3 months a yea               | ar ago           |                |                |                           |                     |                |                  |                             |                |                     |                    |                            |                |                             |                           |                      |                |                            |                     |                  |                                   |
|                                    | EDMY           | EDMZ                         | EDNA             | EDNB           | EDNC           | EDND                      | EDNE                | EDNF           | EDNG             | EDNH                        | EDNI           | EDNJ                | EDNK               | EDNL                       | EDNM           | EDNN                        | EDNO                      | EDNP                 | EDNQ           | EDNR                       | EDNS                | EDNT             | EDNU                              |
| 2021 Jul                           | 17.43          | 0.07                         | 1.90             | -0.22          | 1.90           | 0.20                      | 0.14                | 1.71           | 13.75            | 1.32                        | 0.93           | 1.93                | 0.61               | 0.49                       | 0.03           | 1.27                        | 1.04                      | 0.15                 | 2.83           | 3.76                       | 0.47                | -0.09            | 0.06                              |
| Aug<br>Sep                         | 11.45<br>8.22  | 0.07<br>0.06                 | 0.96<br>0.53     | -0.14<br>-0.04 | 1.03<br>0.56   | 0.05<br>-0.04             | 0.10<br>0.08        | 0.94<br>0.49   | 9.55<br>7.24     | 0.35<br>0.16                | 0.56<br>0.38   | 1.20<br>0.68        | 0.49<br>0.44       | 0.43<br>0.43               | 0.01<br>-0.02  | 1.11<br>1.03                | 0.79<br>0.78              | 0.21<br>0.27         | 1.69<br>0.63   | 3.41<br>3.21               | 0.36<br>0.32        | -0.20<br>-0.26   | 0.02<br>-0.03                     |
| Oct                                | 7.44           | 0.06                         | 0.25             | 0.00           | 0.30           | -0.04                     | 0.08                | 0.32           | 6.96             | 0.10                        | 0.36           | 0.64                | 0.42               | 0.48                       | -0.02          | 0.95                        | 0.86                      | 0.30                 | 0.03           | 3.40                       | 0.33                | -0.16            | -0.04                             |
| Nov                                | 8.10           | 0.06                         | -0.02            | -0.02          | 0.00           | -0.07                     | 0.08                | 0.25           | 8.04             | 0.40                        | 0.40           | 1.10                | 0.42               | 0.51                       | -0.05          | 0.93                        | 0.95                      | 0.33                 | -0.06          | 3.61                       | 0.37                | -0.07            | -0.04                             |
| Dec                                | 8.34           | 0.06                         | -0.21            | -0.05          | -0.16          | -0.06                     | 0.08                | 0.28           | 8.48             | 0.39                        | 0.43           | 1.32                | 0.52               | 0.43                       | -0.06          | 0.80                        | 0.93                      | 0.34                 | 0.11           | 3.88                       | 0.38                | -0.10            | -0.02                             |
| 2022 Jan                           | 9.90           | 0.06                         | -0.24            | -0.07          | -0.19          | -0.05                     | 0.07                | 0.41           | 9.95             | 0.70                        | 0.51           | 1.69                | 0.63               | 0.27                       | -0.11          | 0.84                        | 0.97                      | 0.39                 | 0.74           | 3.52                       | 0.41                | 0.02             | -0.01                             |
| Feb                                | 10.18          | 0.06                         | -0.23            | -0.04          | -0.17          | -0.08                     | 0.06                | 0.44           | 10.20            | 0.66                        | 0.56           | 1.76                | 0.77               | 0.09                       | -0.15          | 0.76                        | 0.99                      | 0.38                 | 1.26           | 3.26                       | 0.39                | 0.05             | 0.00                              |
| Mar                                | 10.26          | 0.05                         | -0.23            | 0.00           | -0.20          | -0.09                     | 0.06                | 0.40           | 10.33            | 0.61                        | 0.61           | 2.01                | 0.82               | -0.01                      | -0.17          | 0.69                        | 1.00                      | 0.36                 | 1.47           | 2.76                       | 0.46                | 0.17             | 0.00                              |
| Apr<br>May                         | 8.05<br>6.01   | 0.05<br>0.05                 | -0.28<br>-0.35   | 0.06<br>0.09   | -0.30<br>-0.36 | -0.10<br>-0.14            | 0.06<br>0.05        | 0.27<br>0.28   | 8.26<br>6.24     | 0.03<br>-0.41               | 0.56<br>0.55   | 1.85<br>1.44        | 0.74<br>0.64       | -0.05<br>-0.05             | -0.11<br>-0.07 | 0.57<br>0.58                | 0.97<br>0.90              | 0.30<br>0.23         | 0.98<br>0.45   | 2.14<br>1.60               | 0.49<br>0.46        | 0.05<br>0.03     | 0.00<br>-0.01                     |
| Jun                                | 4.15           | 0.03                         | -0.37            | 0.09           | -0.30          | -0.14                     | 0.05                | 0.28           | 4.35             | -0.41                       | 0.55           | 0.95                | 0.59               | 0.00                       | -0.07          | 0.55                        | 0.82                      | 0.23                 | 0.45           | 0.97                       | 0.40                | 0.03             | -0.02                             |
| Jul                                | 3.57           | 0.03                         | -0.42            | 0.12           | -0.44          | -0.13                     | 0.03                | 0.34           | 3.76             | -0.66                       | 0.48           | 0.63                | 0.60               | 0.06                       | -0.02          | 0.52                        | 0.73                      | 0.17                 | 0.10           | 0.70                       | 0.37                | 0.02             | -0.02                             |
| Aug                                | 2.85           | 0.02                         | -0.49            | 0.04           | -0.48          | -0.06                     | 0.01                | 0.36           | 3.10             | -0.61                       | 0.43           | 0.39                | 0.58               | 0.09                       | -0.01          | 0.43                        | 0.66                      | 0.16                 | 0.06           | 0.41                       | 0.32                | 0.09             | -0.02                             |
| Sep                                | 2.29           | 0.01                         | -0.54            | -0.04          | -0.49          | -0.01                     | 0.01                | 0.40           | 2.54             | -0.59                       | 0.41           | 0.20                | 0.55               | 0.04                       | 0.02           | 0.37                        | 0.59                      | 0.16                 | 0.15           | 0.23                       | 0.26                | 0.03             | -0.01                             |
| Oct                                | 1.74           | 0.01                         | -0.51            | -0.09          | -0.44          | 0.02                      | 0.00                | 0.42           | 1.90             | -0.57                       | 0.36           | 0.11                | 0.49               | -0.04                      | 0.03           | 0.35                        | 0.51                      | 0.17                 | 0.23           | -0.06                      | 0.22                | -0.01            | -0.01                             |
| Nov                                | 1.20           | 0.01                         | -0.41            | -0.05          | -0.37          | 0.02                      | 0.00                | 0.40           | 1.26             | -0.55                       | 0.24           | 0.17                | 0.48               | -0.13                      | 0.02           | 0.26                        | 0.42                      | 0.16                 | 0.19           | -0.31                      | 0.18                | -0.04            | -0.02                             |
| Dec                                | 0.90           | 0.01                         | -0.35            | -0.03          | -0.32          | 0.01                      | -0.01               | 0.39           | 0.90             | -0.39                       | 0.12           | 0.30                | 0.47               | -0.16                      | 0.01           | 0.27                        | 0.39                      | 0.13                 | 0.08           | -0.63                      | 0.13                | -0.05            | -0.02                             |
| 2023 Jan<br>Feb                    | 0.51<br>0.44   | 0.00<br>0.00                 | -0.40<br>-0.39   | -0.06<br>-0.10 | -0.30<br>-0.25 | -0.03<br>-0.05            | 0.00<br>-0.01       | 0.30<br>0.30   | 0.60<br>0.53     | -0.31<br>-0.21              | 0.04<br>0.01   | 0.32<br>0.25        | 0.44<br>0.31       | -0.13<br>-0.07             | -0.01<br>0.00  | 0.22<br>0.21                | 0.39<br>0.37              | 0.10<br>0.07         | 0.01<br>-0.02  | -0.62<br>-0.54             | 0.08<br>0.07        | -0.06<br>-0.05   | -0.03<br>-0.02                    |
| Mar                                | 0.44           | 0.00                         | -0.35            | -0.10          | -0.23          | -0.03                     | -0.01               | 0.30           | 0.58             | -0.16                       | -0.01          | 0.23                | 0.22               | -0.07                      | 0.00           | 0.21                        | 0.33                      | 0.07                 | 0.02           | -0.29                      | 0.07                | -0.03            | -0.02                             |
| Apr                                | 0.50           | 0.00                         | -0.28            | -0.13          | -0.09          | -0.06                     | -0.02               | 0.24           | 0.53             | -0.11                       | -0.05          | 0.04                | 0.21               | 0.00                       | 0.02           | 0.11                        | 0.28                      | 0.04                 | 0.00           | -0.09                      | 0.05                | -0.01            | -0.01                             |
| May                                | 0.18           | 0.00                         | -0.25            | -0.15          | -0.06          | -0.05                     | -0.03               | 0.13           | 0.30             | -0.08                       | -0.10          | 0.02                | 0.21               | -0.02                      | -0.01          | 0.01                        | 0.21                      | 0.04                 | 0.00           | -0.05                      | 0.04                | -0.01            | -0.01                             |
| Jun                                | 0.39           | 0.00                         | -0.13            | -0.14          | 0.08           | -0.08                     | -0.03               | 0.15           | 0.36             | -0.02                       | -0.08          | 0.00                | 0.25               | -0.06                      | -0.04          | -0.05                       | 0.22                      | 0.04                 | -0.01          | 0.06                       | 0.04                | 0.00             | -0.01                             |
| Jul                                | 0.21           | 0.00                         | -0.04            | -0.16          | 0.17           | -0.10                     | -0.02               | 0.15           | 0.10             | 0.02                        | -0.14          | -0.03               | 0.21               | -0.09                      | -0.07          | -0.09                       | 0.19                      | 0.04                 | -0.05          | 0.00                       | 0.08                | 0.01             | -0.01                             |

<sup>1</sup> The GVA output is designated as a National Statistic.
2 Estimates cannot be regarded as accurate to the last digit shown.
3 A complete run of data is available on the ONS website.
4 Contributions are based on output GVA growth
5 Please use additional caution when aggregating individual contributions from April - September 2020, as the larger-than-usual growth rates mean that, when summed, the rounded contributions may not accurately represent the higher level contribution being calculated.

|                          |                       |                |                            |                |                |                |               |               |                |                          |               | Industry section | ns (SIC2007)  |                |                |               |                |              |                |                 |                |                |                             |
|--------------------------|-----------------------|----------------|----------------------------|----------------|----------------|----------------|---------------|---------------|----------------|--------------------------|---------------|------------------|---------------|----------------|----------------|---------------|----------------|--------------|----------------|-----------------|----------------|----------------|-----------------------------|
|                          | Total                 |                |                            |                |                |                | Water         |               |                | Wholesale<br>and retail: |               | Accommodation    |               |                |                | Professional, | Administrative | Public       |                |                 |                |                | Activities of<br>households |
|                          | GVA at                | Agriculture.   | Total                      |                |                | Electricity    | supply,       |               | Total          | repair of                |               | and food         | Information   | Financial      |                | scientific    | and support a  |              |                | Human health    | Arts,          | Other          | as employers,               |
|                          | basic                 | forestry and   | production                 | Mining &       |                | gas, steam     | sewerage      |               | service        | motor vehicles           | Transport     | service          | and           | and insurance  | Real estate    | and technical | service        | and          |                | and social      | entertainment  | service        | undifferentiated            |
|                          | prices                | fishing        | industries                 |                | Manufacturing  | and air        | etc           | Construction  | industries     | and motorcycles          | and storage   | activities       | Communication | activities     | activities     | activities    | activities     | defence      | Education      | work activities | and recreation | activities     | goods and services          |
| Section                  | A-T                   | Α              | B-E                        | В              | С              | D              | E             | F             | G-T            | G                        | Н             | 1                | J             | K              | L              | M             | N              | 0            | Р              | Q               | R              | S              | T                           |
| 2019 weights             | 1000                  | 7              | 137                        | 11             | 99             | 15             | 12            | 64            | 792            | 105                      | 40            | 29               | 62            | 82             | 131            | 74            | 51             | 48           | 59             | 76              | 16             | 17             | 2                           |
| Contributon to growth, I | latest month on prev  | rious month    |                            |                |                |                |               |               |                |                          |               |                  |               |                |                |               |                |              |                |                 |                |                |                             |
|                          | EDKH                  | EDKI           | EDKJ                       | EDKK           | EDKL           | EDKM           | EDKN          | EDKO          | EDKP           | EDKQ                     | EDKR          | EDKS             | EDKT          | EDKU           | EDKV           | EDKW          | EDKX           | EDKY         | EDKZ           | EDLA            | EDLB           | EDLC           | EDLD                        |
| 2021 Jul                 | -0.18                 | 0.01           | 0.02                       | 0.10           | -0.04          | -0.07          | 0.01          | -0.04         | -0.18          | -0.14                    | 0.05          | 0.04             | 0.08          | -0.06          | -0.08          | -0.10         | 0.07           | 0.02         | -0.02          | -0.12           | 0.04           | 0.02           | -0.02                       |
| Aug                      | 0.86                  | 0.01           | 0.07                       | 0.11           | -0.01          | -0.06          | -0.01         | -0.02         | 0.82           | -0.03                    | 0.05          | 0.33             | 0.04          | 0.00           | 0.01           | 0.04          | 0.03           | 0.01         | -0.10          | 0.42            | 0.07           | 0.04           | -0.02                       |
| Sep                      | 0.60                  | 0.00           | -0.13                      | -0.02          | -0.05          | -0.03          | -0.02         | 0.03          | 0.74           | -0.03                    | 0.09          | 0.03             | -0.15         | 0.08           | -0.01          | 0.20          | 0.13           | 0.03         | -0.09          | 0.44            | 0.03           | 0.08           | 0.00                        |
| Oct                      | 0.13                  | 0.00           | -0.13                      | -0.03          | -0.07          | -0.07          | 0.04          | -0.02         | 0.31           | 0.04                     | 0.00          | -0.16            | 0.23          | 0.05           | -0.02          | -0.16         | 0.16           | -0.03        | -0.08          | 0.33            | 0.04           | -0.01          | 0.00                        |
| Nov                      | 0.99                  | 0.00           | 0.03                       | -0.02          | -0.02          | 0.08           | 0.00          | 0.10          | 0.87           | -0.10                    | 0.14          | -0.01            | 0.00          | 0.04           | 0.01           | 0.17          | 0.11           | 0.06         | 0.19           | 0.18            | 0.07           | 0.03           | 0.01                        |
| Dec                      | 0.13                  | 0.00           | 0.00                       | -0.01          | 0.00           | 0.01           | 0.01          | 0.05          | 0.07           | -0.24                    | 0.01          | -0.18            | 0.06          | 0.01           | 0.01           | 0.04          | 0.04           | 0.02         | 0.03           | 0.34            | 0.01           | 0.00           | 0.01                        |
| 2022 Jan<br>Feb          | 0.16<br>-0.07         | 0.00<br>0.01   | 0.00<br>-0.04              | 0.04<br>0.00   | -0.07          | 0.03<br>0.00   | 0.00<br>0.00  | 0.06<br>0.00  | 0.10           | 0.12<br>-0.14            | 0.01<br>0.02  | 0.16<br>0.21     | 0.26<br>0.10  | -0.10<br>-0.04 | 0.00           | -0.03<br>0.05 | 0.01           | 0.01<br>0.00 | -0.04<br>-0.04 | -0.45           | 0.00<br>0.02   | 0.04<br>-0.04  | 0.00<br>-0.01               |
| Mar                      | 0.07                  | 0.00           | -0.0 <del>4</del><br>-0.01 | 0.00           | -0.04<br>0.01  | -0.02          | 0.00          | 0.00          | -0.03<br>-0.04 | -0.14<br>-0.20           | 0.02          | 0.21             | -0.09         | -0.04          | -0.05<br>0.02  | 0.05          | 0.09<br>0.02   | 0.00         | -0.04          | -0.29<br>0.03   | 0.02           | -0.04          | -0.01                       |
| Apr                      | -0.03                 | 0.00           | -0.05                      | -0.02          | -0.06          | 0.02           | 0.01          | -0.01         | 0.04           | 0.17                     | -0.02         | 0.02             | 0.03          | 0.01           | 0.02           | -0.03         | 0.02           | 0.00         | 0.07           | -0.42           | 0.07           | -0.01          | 0.00                        |
| May                      | 0.82                  | 0.00           | 0.01                       | 0.01           | 0.03           | 0.02           | -0.03         | 0.14          | 0.68           | -0.10                    | 0.02          | 0.03             | 0.08          | 0.03           | 0.02           | 0.20          | 0.07           | 0.00         | 0.02           | 0.36            | -0.03          | 0.01           | 0.00                        |
| Jun                      | -0.74                 | 0.00           | -0.13                      | -0.02          | -0.12          | -0.01          | 0.02          | -0.15         | -0.43          | -0.10                    | -0.05         | 0.03             | -0.03         | 0.03           | -0.01          | -0.08         | -0.14          | 0.01         | 0.02           | -0.22           | 0.00           | -0.01          | 0.00                        |
| Jul                      | 0.37                  | 0.00           | -0.05                      | 0.05           | -0.06          | -0.01          | -0.03         | 0.07          | 0.36           | 0.05                     | 0.10          | -0.04            | 0.01          | 0.02           | 0.01           | 0.00          | 0.07           | 0.02         | 0.08           | 0.01            | 0.04           | -0.01          | -0.01                       |
| Aug                      | 0.00                  | 0.00           | -0.15                      | -0.07          | -0.07          | -0.01          | 0.00          | 0.03          | 0.15           | 0.02                     | 0.05          | -0.08            | 0.08          | -0.03          | 0.00           | 0.05          | 0.05           | 0.03         | 0.02           | 0.08            | -0.06          | -0.03          | -0.01                       |
| Sep                      | -0.74                 | 0.00           | 0.01                       | 0.01           | 0.00           | 0.00           | 0.01          | -0.01         | -0.76          | -0.21                    | -0.02         | -0.03            | -0.19         | -0.09          | -0.01          | -0.10         | -0.08          | 0.01         | -0.04          | 0.04            | -0.03          | 0.01           | 0.00                        |
| Oct                      | 0.68                  | 0.00           | 0.04                       | 0.00           | 0.10           | -0.04          | -0.02         | 0.04          | 0.60           | 0.20                     | -0.02         | 0.02             | 0.05          | 0.00           | 0.04           | 0.08          | 0.11           | 0.00         | -0.01          | 0.06            | 0.09           | 0.00           | 0.00                        |
| Nov                      | 0.19                  | 0.00           | 0.00                       | 0.02           | -0.05          | 0.00           | 0.02          | 0.01          | 0.18           | 0.00                     | -0.07         | 0.04             | 0.21          | -0.01          | -0.05          | -0.04         | 0.11           | 0.00         | -0.02          | 0.02            | -0.04          | 0.00           | 0.00                        |
| Dec                      | -0.52                 | 0.00           | 0.03                       | -0.04          | 0.01           | 0.05           | 0.01          | 0.05          | -0.62          | -0.05                    | -0.12         | -0.02            | 0.00          | 0.02           | -0.02          | 0.07          | 0.00           | 0.00         | -0.17          | -0.29           | -0.09          | -0.01          | 0.00                        |
| 2023 Jan                 | 0.45                  | 0.00           | -0.03                      | -0.04          | 0.04           | -0.04          | -0.01         | -0.11         | 0.60           | 0.09                     | 0.10          | -0.01            | 0.06          | 0.02           | 0.01           | -0.02         | 0.06           | 0.00         | 0.14           | 0.09            | 0.07           | 0.02           | 0.00                        |
| Feb                      | 0.08                  | 0.00           | -0.02                      | 0.02           | 0.01           | -0.04          | -0.01         | 0.16          | -0.08          | -0.03                    | -0.02         | 0.01             | -0.02         | 0.01           | 0.00           | -0.02         | 0.02           | -0.05        | -0.10          | 0.05            | 0.03           | 0.03           | 0.00                        |
| Mar                      | -0.25                 | 0.00           | 0.11                       | -0.03          | 0.07           | 0.05           | 0.02          | -0.01         | -0.35          | -0.15                    | -0.06         | -0.01            | -0.07         | -0.01          | 0.01           | 0.00          | -0.05          | 0.00         | 0.01           | -0.05           | 0.02           | -0.02          | 0.00                        |
| Apr                      | 0.22                  | 0.00           | 0.01                       | -0.03          | 0.04           | 0.02           | -0.02         | -0.05         | 0.27           | 0.13                     | 0.02          | 0.07             | 0.09          | -0.01          | -0.01          | -0.06         | 0.03           | 0.01         | 0.03           | -0.01           | -0.01          | 0.01           | 0.00                        |
| May                      | -0.07                 | 0.00           | -0.09                      | 0.00           | -0.01          | -0.06          | -0.03         | -0.02         | 0.04           | -0.04                    | -0.01         | -0.05            | 0.01          | -0.02          | -0.02          | 0.01          | -0.05          | 0.01         | 0.03           | 0.16            | 0.04           | -0.01          | 0.00                        |
| Jun<br>Jul               | 0.52<br>-0.52         | 0.00<br>0.00   | 0.25<br>-0.09              | -0.02<br>0.02  | 0.22<br>-0.07  | 0.00<br>-0.03  | 0.02<br>-0.01 | 0.10<br>-0.03 | 0.16<br>-0.40  | 0.08<br>-0.04            | 0.00<br>-0.06 | 0.05<br>-0.01    | 0.09<br>-0.15 | -0.01<br>0.02  | -0.02<br>-0.04 | -0.03<br>0.04 | 0.04<br>-0.08  | 0.02<br>0.02 | 0.02<br>-0.07  | -0.06<br>-0.17  | -0.01<br>0.11  | 0.01<br>0.02   | 0.00<br>0.00                |
| Contribution to growth   | h. latest month on sa | me month a vea | r ago                      |                |                |                |               |               |                |                          |               |                  |               |                |                |               |                |              |                |                 |                |                |                             |
|                          | EDLE                  | EDLF           | EDLG                       | EDLH           | EDLI           | EDLJ           | EDLK          | EDLL          | EDLM           | EDLN                     | EDLO          | EDLP             | EDLQ          | EDLR           | EDLS           | EDLT          | EDLU           | EDLV         | EDLW           | EDLX            | EDLY           | EDLZ           | EDMA                        |
| 0004                     |                       |                |                            |                |                |                |               |               |                |                          |               |                  |               |                |                |               |                |              |                |                 |                |                |                             |
| 2021 Jul                 | 9.25                  | 0.07           | 0.78                       | -0.16          | 0.88           | 0.03           | 0.11          | 0.69          | 7.78           | 0.11                     | 0.46          | 0.96             | 0.41          | 0.38           | -0.02          | 1.02          | 0.68           | 0.22         | 1.54           | 3.01            | 0.28           | -0.48          | 0.01                        |
| Aug<br>Sep               | 7.99<br>7.45          | 0.07<br>0.06   | 0.58<br>0.23               | 0.02<br>0.01   | 0.56<br>0.24   | -0.05<br>-0.09 | 0.07<br>0.07  | 0.48<br>0.31  | 6.95<br>7.01   | 0.13<br>0.25             | 0.34<br>0.36  | 0.41<br>0.68     | 0.53<br>0.38  | 0.45<br>0.45   | -0.01<br>-0.03 | 1.04<br>1.03  | 0.76<br>0.89   | 0.27<br>0.32 | 0.44<br>-0.08  | 3.25<br>3.36    | 0.34<br>0.34   | -0.19<br>-0.13 | -0.04<br>-0.05              |
| Oct                      | 6.90                  | 0.06           | -0.05                      | -0.04          | 0.02           | -0.03          | 0.07          | 0.31          | 6.92           | 0.25                     | 0.38          | 0.81             | 0.37          | 0.45           | -0.03          | 0.78          | 0.93           | 0.32         | -0.25          | 3.58            | 0.34           | -0.16          | -0.04                       |
| Nov                      | 9.98                  | 0.06           | -0.24                      | -0.03          | -0.26          | -0.02          | 0.09          | 0.26          | 10.23          | 0.72                     | 0.47          | 1.83             | 0.53          | 0.53           | -0.04          | 0.99          | 1.05           | 0.37         | 0.17           | 3.88            | 0.49           | 0.08           | -0.02                       |
| Dec                      | 8.18                  | 0.05           | -0.33                      | -0.09          | -0.23          | -0.05          | 0.06          | 0.41          | 8.33           | 0.22                     | 0.43          | 1.32             | 0.66          | 0.21           | -0.08          | 0.65          | 0.82           | 0.36         | 0.41           | 4.18            | 0.34           | -0.21          | 0.00                        |
| 2022 Jan                 | 11.61                 | 0.06           | -0.13                      | -0.04          | -0.08          | -0.08          | 0.07          | 0.58          | 11.40          | 1.13                     | 0.65          | 1.90             | 0.73          | 0.06           | -0.22          | 0.90          | 1.02           | 0.39         | 1.68           | 3.20            | 0.41           | 0.20           | 0.00                        |
| Feb                      | 10.80                 | 0.06           | -0.22                      | 0.03           | -0.21          | -0.10          | 0.05          | 0.36          | 10.93          | 0.65                     | 0.61          | 2.06             | 0.95          | 0.00           | -0.16          | 0.73          | 1.11           | 0.36         | 1.71           | 2.77            | 0.44           | 0.16           | 0.00                        |
| Mar                      | 8.42                  | 0.05           | -0.33                      | 0.02           | -0.31          | -0.09          | 0.05          | 0.29          | 8.69           | 0.08                     | 0.58          | 2.05             | 0.77          | -0.08          | -0.13          | 0.45          | 0.88           | 0.33         | 1.02           | 2.33            | 0.54           | 0.17           | 0.01                        |
| Apr                      | 5.10                  | 0.05           | -0.27                      | 0.14           | -0.38          | -0.11          | 0.08          | 0.19          | 5.32           | -0.61                    | 0.50          | 1.46             | 0.51          | -0.06          | -0.06          | 0.54          | 0.92           | 0.21         | 0.26           | 1.37            | 0.49           | -0.15          | -0.01                       |
| May                      | 4.60                  | 0.04           | -0.45                      | 0.11           | -0.40          | -0.22          | 0.04          | 0.38          | 4.80           | -0.67                    | 0.58          | 0.83             | 0.63          | 0.00           | -0.03          | 0.75          | 0.90           | 0.15         | 0.11           | 1.12            | 0.36           | 0.08           | -0.03                       |
| Jun                      | 2.77                  | 0.03           | -0.37                      | 0.17           | -0.45          | -0.12          | 0.03          | 0.26          | 2.97           | -0.76                    | 0.39          | 0.57             | 0.62          | 0.05           | -0.06          | 0.36          | 0.65           | 0.16         | -0.05          | 0.44            | 0.36           | 0.13           | -0.03                       |
| Jul                      | 3.33                  | 0.02           | -0.44                      | 0.09           | -0.47          | -0.05          | -0.01         | 0.37          | 3.52           | -0.57                    | 0.45          | 0.50             | 0.55          | 0.12           | 0.03           | 0.47          | 0.65           | 0.16         | 0.06           | 0.55            | 0.37           | 0.10           | -0.02                       |
| Aug<br>Sep               | 2.46<br>1.10          | 0.01<br>0.01   | -0.66<br>-0.52             | -0.13<br>-0.09 | -0.53<br>-0.48 | 0.00<br>0.02   | 0.00<br>0.03  | 0.43<br>0.39  | 2.82<br>1.30   | -0.51<br>-0.69           | 0.45<br>0.33  | 0.08<br>0.03     | 0.58<br>0.53  | 0.09<br>-0.08  | 0.01<br>0.01   | 0.48<br>0.17  | 0.67<br>0.45   | 0.17<br>0.15 | 0.18<br>0.22   | 0.25<br>-0.11   | 0.24<br>0.19   | 0.03<br>-0.04  | -0.01                       |
| Oct                      | 1.65                  | 0.01           | -0.52<br>-0.34             | -0.09          | -0.46<br>-0.31 | 0.02           | -0.02         | 0.39          | 1.59           | -0.53                    | 0.33          | 0.03             | 0.35          | -0.06          | 0.01           | 0.17          | 0.45           | 0.15         | 0.22           | -0.11<br>-0.34  | 0.19           | -0.04          | -0.01<br>-0.02              |
| Nov                      | 0.85                  | 0.01           | -0.37                      | -0.03          | -0.33          | -0.03          | 0.02          | 0.45          | 0.90           | -0.43                    | 0.31          | 0.21             | 0.56          | -0.14          | 0.00           | 0.40          | 0.41           | 0.19         | 0.28           | -0.47           | 0.24           | -0.03          | -0.02                       |
| Dec                      | 0.20                  | 0.00           | -0.34                      | -0.01          | -0.32          | 0.03           | 0.00          | 0.36          | 0.90           | -0.43                    | -0.04         | 0.20             | 0.49          | -0.17          | -0.03          | 0.19          | 0.36           | 0.12         | -0.12          | -1.07           | 0.13           | -0.06          | -0.02                       |
| 2023 Jan                 | 0.49                  | 0.00           | -0.41                      | -0.03          | -0.23          | -0.07          | -0.01         | 0.30          | 0.21           | -0.26                    | 0.05          | 0.43             | 0.49          | -0.17          | -0.03          | 0.23          | 0.40           | 0.10         | 0.06           | -0.47           | 0.03           | -0.08          | -0.02                       |
| Feb                      | 0.63                  | 0.00           | -0.38                      | -0.11          | -0.17          | -0.11          | -0.02         | 0.34          | 0.67           | -0.14                    | 0.02          | 0.06             | 0.17          | 0.01           | 0.04           | 0.17          | 0.33           | 0.03         | 0.00           | -0.17           | 0.10           | -0.02          | -0.01                       |
| Mar                      | 0.30                  | 0.00           | -0.26                      | -0.15          | -0.11          | -0.03          | 0.00          | 0.21          | 0.35           | -0.08                    | -0.11         | 0.02             | 0.20          | 0.01           | 0.03           | 0.10          | 0.26           | 0.03         | 0.01           | -0.24           | 0.05           | -0.02          | 0.00                        |
| Apr                      | 0.56                  | 0.00           | -0.19                      | -0.14          | -0.01          | -0.03          | -0.04         | 0.17          | 0.58           | -0.12                    | -0.07         | 0.05             | 0.25          | -0.02          | -0.01          | 0.07          | 0.24           | 0.04         | -0.02          | 0.13            | 0.00           | 0.01           | -0.01                       |
| May                      | -0.33                 | 0.00           | -0.29                      | -0.15          | -0.05          | -0.11          | -0.03         | 0.02          | -0.04          | -0.05                    | -0.12         | -0.02            | 0.19          | -0.06          | -0.05          | -0.13         | 0.12           | 0.04         | 0.00           | -0.04           | 0.07           | -0.02          | -0.01                       |
| Jun                      | 0.93                  | 0.00           | 0.10                       | -0.14          | 0.30           | -0.09          | -0.03         | 0.27          | 0.54           | 0.10                     | -0.06         | -0.04            | 0.30          | -0.10          | -0.06          | -0.08         | 0.30           | 0.04         | 0.00           | 0.10            | 0.05           | 0.00           | -0.02                       |
| Jul                      | 0.04                  | 0.00           | 0.06                       | -0.18          | 0.28           | -0.11          | 0.00          | 0.17          | -0.21          | 0.01                     | -0.23         | -0.02            | 0.15          | -0.10          | -0.10          | -0.05         | 0.15           | 0.04         | -0.14          | -0.08           | 0.12           | 0.03           | -0.01                       |
|                          |                       |                |                            |                |                |                |               |               |                |                          |               |                  |               |                |                |               |                |              |                |                 |                |                |                             |

<sup>The GVA output is designated as a National Statistic.

Estimates cannot be regarded as accurate to the last digit shown.

A complete run of data is available on the ONS website.

Contributions are based on output GVA growth

Please use additional caution when aggregating individual contributions from April - September 2020, as the larger-than-usual growth rates mean that, when summed, the rounded contributions may not accurately represent the higher level contribution being calculated.</sup>