

Statistical bulletin

GDP monthly estimate, UK: December 2019

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.



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Next release:
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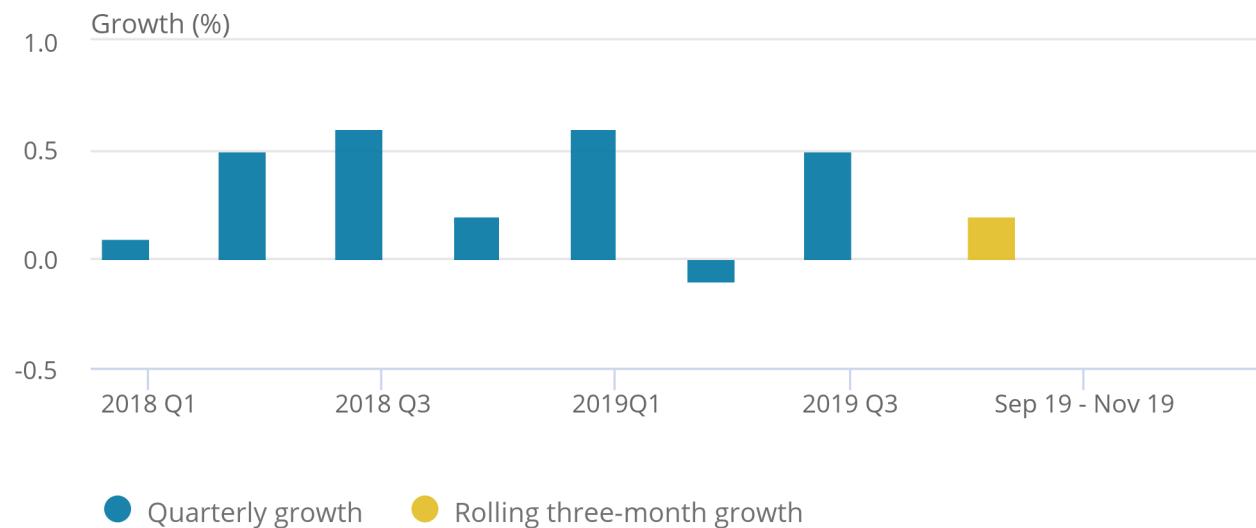
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1 . UK gross domestic product (GDP) was flat in Quarter 4 (Oct to Dec) 2019

Figure 1: GDP showed no growth in Quarter 4 (Oct to Dec), after growth of 0.5% in Quarter 3 (July to Sept) 2019

UK GDP growth, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019

Figure 1: GDP showed no growth in Quarter 4 (Oct to Dec), after growth of 0.5% in Quarter 3 (July to Sept) 2019
UK GDP growth, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019 growth was 0.0%



Source: Office for National Statistics – GDP monthly estimate

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept), Q4 refers to Quarter 4 (Oct to Dec).
2. Rolling three-month estimates are calculated by comparing GDP in a three-month period with GDP in the previous three-month period. For example, GDP in September to November compared with the previous June to August.

Commenting on today's GDP figures, Head of GDP Rob Kent-Smith:

"There was no growth in the last quarter of 2019 as increases in the services and construction sectors were offset by another poor showing from manufacturing, particularly the motor industry."

"The underlying trade deficit widened, as exports of services fell, partially offset by a fall in goods imports."

2 . Growth in both services and construction was offset by a fall in production, which resulted in 0.0% GDP growth in the three months to December 2019

Table 1: The services and construction sectors contributed positively to GDP growth in Quarter 4 2019, while production had a negative contribution

	Three-month growth (%)	Contribution to growth (percentage points)
Index of Services	0.1%	0.06pp
Index of Production	-0.8%	-0.10pp
Construction	0.5%	0.03pp

Source: Office for National Statistics - GDP monthly estimate

Notes

1. Rolling three-month estimates are calculated by comparing GDP in a three-month period with GDP in the previous three-month period. For example GDP in October to December compared with the previous June to September. [Back to table](#)

The services and construction sectors contributed positively to gross domestic product (GDP) growth in the three months to December 2019, growing by 0.1% and 0.5%, respectively. Meanwhile, the production sector fell by 0.8% in the same period, its eighth consecutive rolling three-month decline.

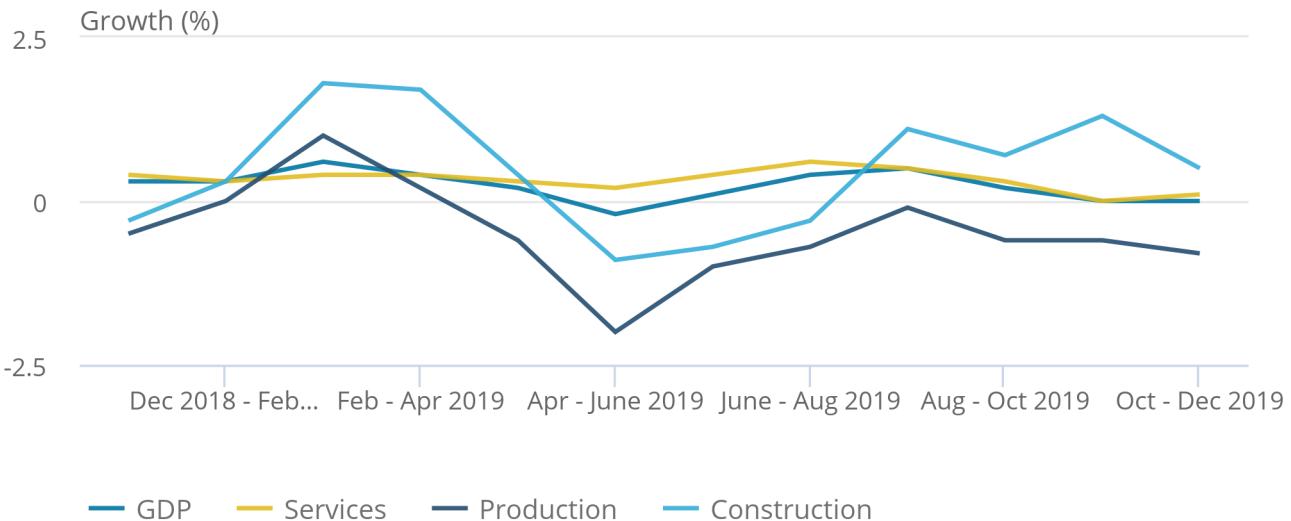
3 . Rolling three-month growth weakened for the third month in a row in December 2019

Figure 2: Growth in GDP and its components has been volatile throughout 2019

Growth, three-months on previous three-months, UK, November 2018 to January 2019 until October to December 2019

Figure 2: Growth in GDP and its components has been volatile throughout 2019

Growth, three-months on previous three-months, UK, November 2018 to January 2019 until October to December 2019



Source: Office for National Statistics – GDP monthly estimate

Notes:

1. Rolling three-month estimates are calculated by comparing GDP in a three-month period with GDP in the previous three-month period. For example, GDP in October to December compared with the previous June to September.

Rolling three-month growth was 0.0% in December 2019, following a period of volatility throughout the last year. This was in part linked to changes in the timing of activity around the originally planned departure dates of the UK from the EU in March and October 2019.

The volatility in 2019 can be seen to some extent in all headline sectors, but most notably in production and construction. However, while construction data can often be volatile, the recent volatility in the production sector has been notable, coinciding with the UK's two previously planned departure dates from the EU. Despite this, the underlying picture for production was one of weakening throughout 2019, with nine months of the year showing negative rolling three-month growths.

Rolling three-month growth is based on output gross value added (GVA) and so there will be discrepancies in the time series with our quarterly estimates of GDP, which include information on the expenditure and income approaches to measuring GDP.

4 . Headline GDP grew by 1.4% in 2019

Table 2: Breakdown of GDP and its components' growth rates by year

	2018	2019
Headline GDP (average)	1.3%	1.4%
Output GDP	1.7%	1.4%
Index of Services	2.0%	1.8%
Index of Production	0.8%	-1.3%
Manufacturing	0.9%	-1.5%
Construction	0.0%	2.5%
Agriculture	-3.0%	-1.7%

Source: Office for National Statistics - GDP monthly estimate

Notes

1. The GDP figures in Table 2 are given for both the average measure of GDP (including information from the Output, Income and Expenditure measures of GDP), and the Output measure of GDP. It should be noted that the annual growths for the sectors will be consistent with the latter. [Back to table](#)

GDP grew by 1.4% in 2019, compared with 1.3% in 2018. Breaking this down by sector, services grew by 1.8%, production fell by 1.3% and construction grew by 2.5%.

5 . GDP grew by 0.3% in the month of December 2019

Table 3: Breakdown of GDP and its components' growth rates by month

	Oct-19	Nov-19	Dec-19	Quarter 4 2019
GDP	0.2%	-0.3%	0.3%	0.0%
Index of Services	0.3%	-0.4%	0.3%	0.1%
Index of Production	0.1%	-1.1%	0.1%	-0.8%
Manufacturing	0.3%	-1.6%	0.3%	-1.1%
Construction	-2.2%	2.4%	0.4%	0.5%
Agriculture	0.1%	-0.2%	-0.6%	-0.2%

Source: Office for National Statistics - GDP monthly estimate

Monthly gross domestic product (GDP) increased by 0.3% in December 2019, driven by growth in services. This followed a fall of 0.3% in November 2019.

This release features revisions to the monthly data back to January 2019 in line with the [UK National Accounts revisions policy](#). While the revisions are small at the headline level, an upward revision to June 2019 has resulted in an upwardly revised Quarter 3 (July to Sept) 2019.

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

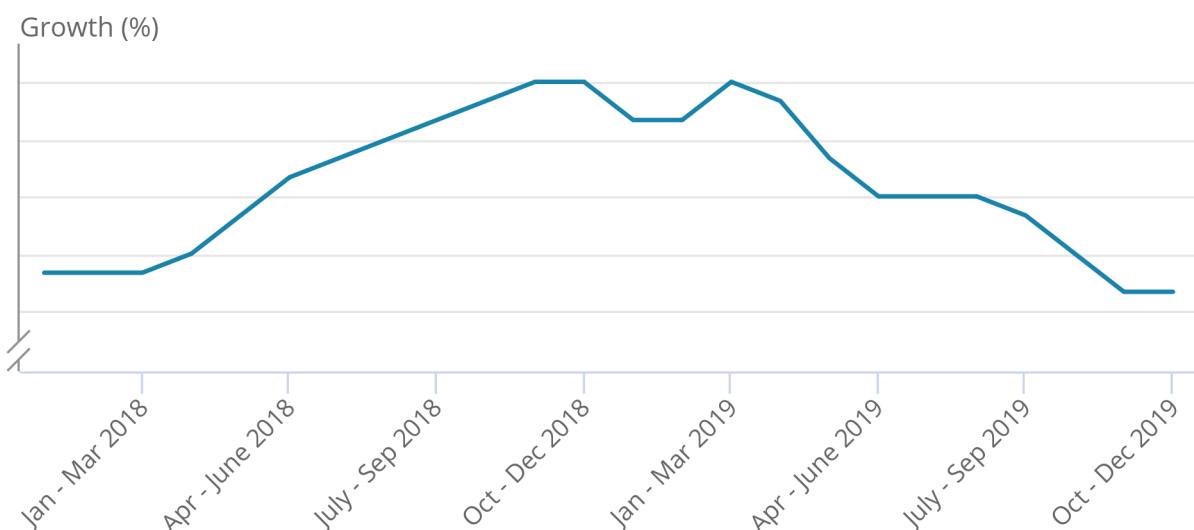
6 . Growth in the services sector was 0.1% in Quarter 4 (Oct to Dec) 2019

Figure 3: Rolling three-month services growth has weakened significantly over the last nine months when compared to the same three months a year ago

Rolling three-month on three-month a year ago growth, November 2017 to January 2018 until October to December 2019

Figure 3: Rolling three-month services growth has weakened significantly over the last nine months when compared to the same three months a year ago

Rolling three-month on three-month a year ago growth, November 2017 to January 2018 until October to December 2019



Source: Office for National Statistics – GDP monthly estimate

Notes:

1. Rolling three-month estimates are calculated by comparing GDP in a three-month period with GDP in the previous three-month period. For example, GDP in October to December compared with the previous June to September.

The services sector grew by 0.1% in Quarter 4 (Oct to Dec) 2019. The main contributors were the education, real estate and health industries, which are high-weighted and tend to be stable over time. This growth was offset by wholesale and retail trade, of which [retail](#) trade fell by 1.0% over the same period.

The services sector grew by 0.3% in the month of December 2019 after contracting by 0.4% in November 2019. The information and communication sector was the biggest positive contributor on the month, driven by motion pictures, with a [number of blockbuster films being released in December \(PDF, 192.50KB\)](#).

Services grew by 1.8% in 2019. However, growth in this sector has notably declined over the last nine rolling three-months when compared with the same three months a year ago as seen in Figure 3.

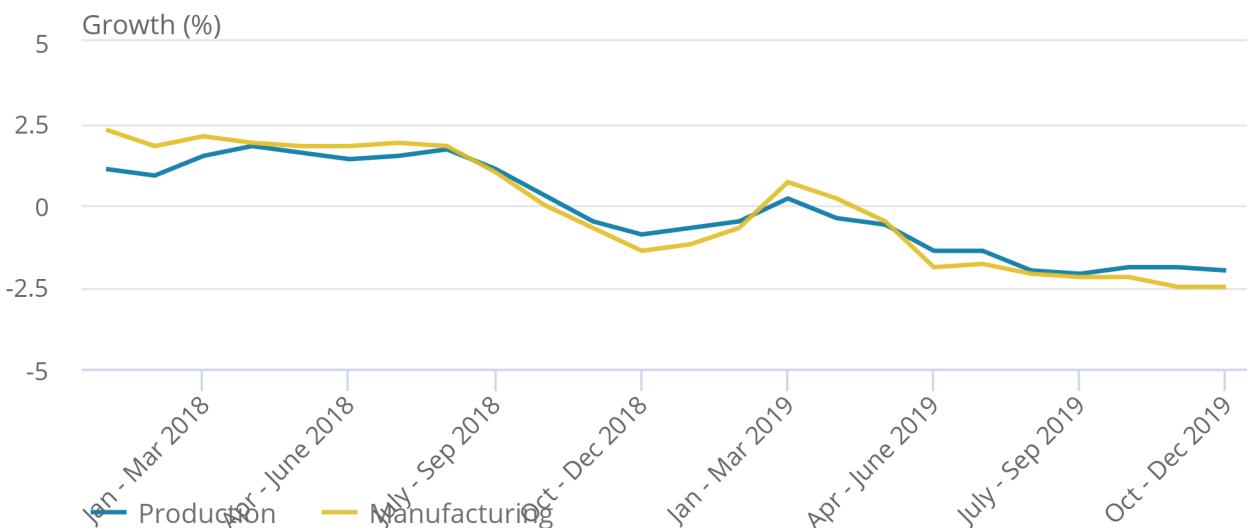
7 . Output in the production sector fell by 0.8% in Quarter 4 (Oct to Dec) 2019

Figure 4: Despite volatility in the production and manufacturing sectors in 2019, both have shown longer term signs of weakening

Rolling three-month on three-month a year ago growth, November 2017 to January 2018 until October to December 2019

Figure 4: Despite volatility in the production and manufacturing sectors in 2019, both have shown longer term signs of weakening

Rolling three-month on three-month a year ago growth, November 2017 to January 2018 until October to December 2019



Source: Office for National Statistics – GDP monthly estimate

Notes:

1. Rolling three-month estimates are calculated by comparing GDP in a three-month period with GDP in the previous three-month period. For example, GDP in October to December compared with the previous June to September.

Quarterly growth in production was negative 0.8% in Quarter 4 (Oct to Dec) 2019, marking the eighth consecutive rolling three-monthly fall in this sector. Output in the manufacturing sector fell by 1.1% in the most recent quarter, driven by a decrease in the manufacture of transport equipment, with several factories going ahead with planned [shutdowns](#) in November. Elsewhere in production, the mining and quarrying sector fell, while both the water supply and energy sectors grew.

Production grew by 0.1% in December 2019, driven by growth in the manufacture of transport equipment, rebounding after a weak November 2019.

Production fell by 1.3 % in 2019, with long-term weakness in rolling three-month growth when compared to the same three months a year ago, as seen in Figure 3.

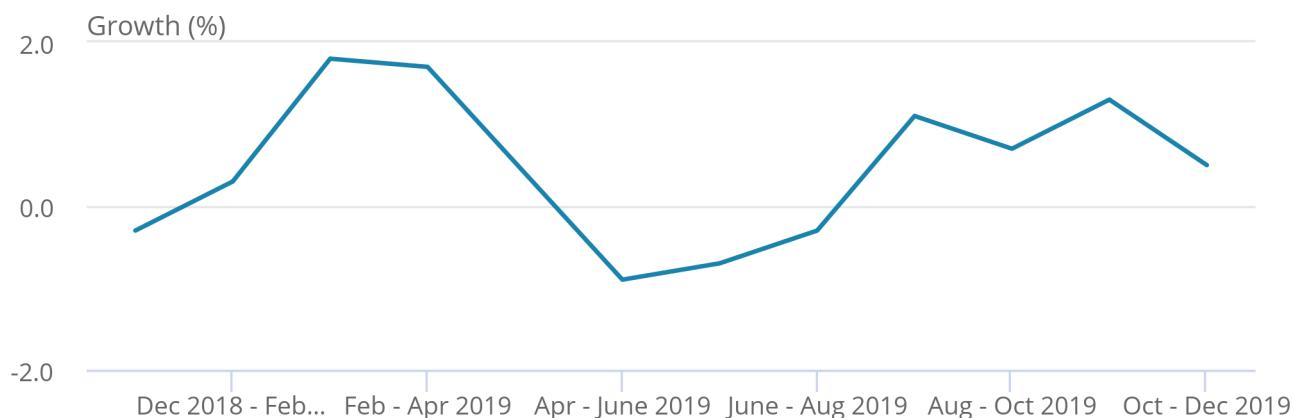
8 . The construction sector grew by 0.5% in Quarter 4 (Oct to Dec) 2019

Figure 5: Output in the construction industry grew for the fourth consecutive rolling three-month period

Growth, three-months on three-months, November 2018 to January 2019 until October to December 2019

Figure 5: Output in the construction industry grew for the fourth consecutive rolling three-month period

Growth, three-months on three-months, November 2018 to January 2019 until October to December 2019



Source: Office for National Statistics – GDP monthly estimate

Notes:

1. Rolling three-month estimates are calculated by comparing GDP in a three-month period with GDP in the previous three-month period. For example, GDP in October to December compared with the previous June to September.

Quarterly growth in construction was 0.5% in Quarter 4 (Oct to Dec) 2019, driven by increase in private commercial, public new housing and non-housing repair and maintenance.

Construction grew by 0.4% in December 2019. This was driven by growth in non-housing repair and maintenance, infrastructure, private commercial and public new housing. Construction output in November saw a notable upwards revision of 0.5 percentage points as a result of late data. This has given extra strength to the quarterly growth.

Construction grew by 2.5 % in 2019, the fastest growing component of gross domestic product (GDP).

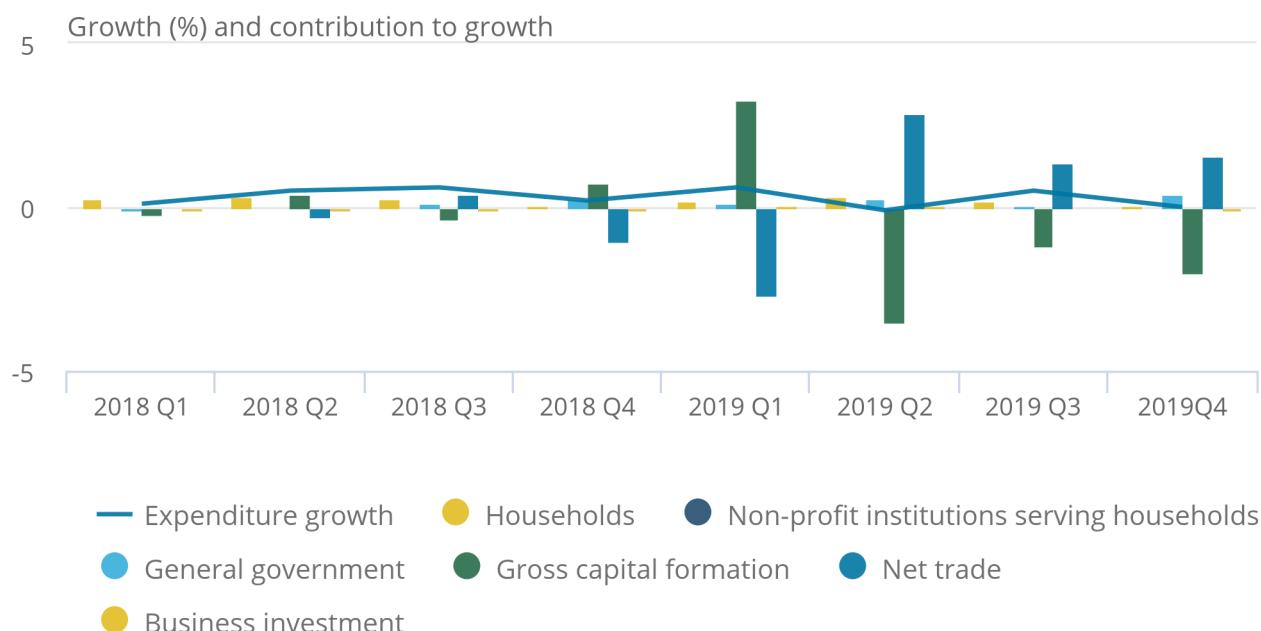
9 . The expenditure measure of GDP was flat in Quarter 4 (Oct to Dec) 2019

Figure 6: Private consumption, government consumption and net trade contributed positively to growth, while gross capital formation subtracted from growth

Growth and contribution to growth, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019

Figure 6: Private consumption, government consumption and net trade contributed positively to growth, while gross capital formation subtracted from growth

Growth and contribution to growth, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019



Source: Office for National Statistics- GDP First Quarterly Estimate

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept), Q4 refers to Quarter 4 (Oct to Dec).
2. Private consumption is household final consumption expenditure and non-profit institutions serving households.

The expenditure measure of gross domestic product (GDP) was flat at 0.0% in Quarter 4 (Oct to Dec) 2019. Private consumption, government consumption and net trade contributed positively to growth while gross capital formation (GCF) subtracted from GDP growth.

This release coincides with and is consistent with the [GDP first quarterly estimate](#), which reconciles information on the output, expenditure and income measures of GDP. In our first quarterly estimate, output (which forms the basis for monthly GDP) tends to paint a more reliable picture of what is happening overall in the economy, and so balancing adjustments are applied to the expenditure and income components of GDP where required to align to output – these tend to be applied to components where data content is comparatively weak, or estimates are prone to revision. There were increased challenges around balancing the first estimate of GDP growth for Quarter 4, in part due to heightened uncertainty around the impact of the UK's planned exit from the EU had on the activity of businesses. This has been reflected in the adjustments that have been applied to the expenditure estimates, for this reason we recommend the breakdown of the expenditure approach to GDP is considered in the context of these adjustments.

For more information please see the bulletin for the first [GDP quarterly estimate](#).

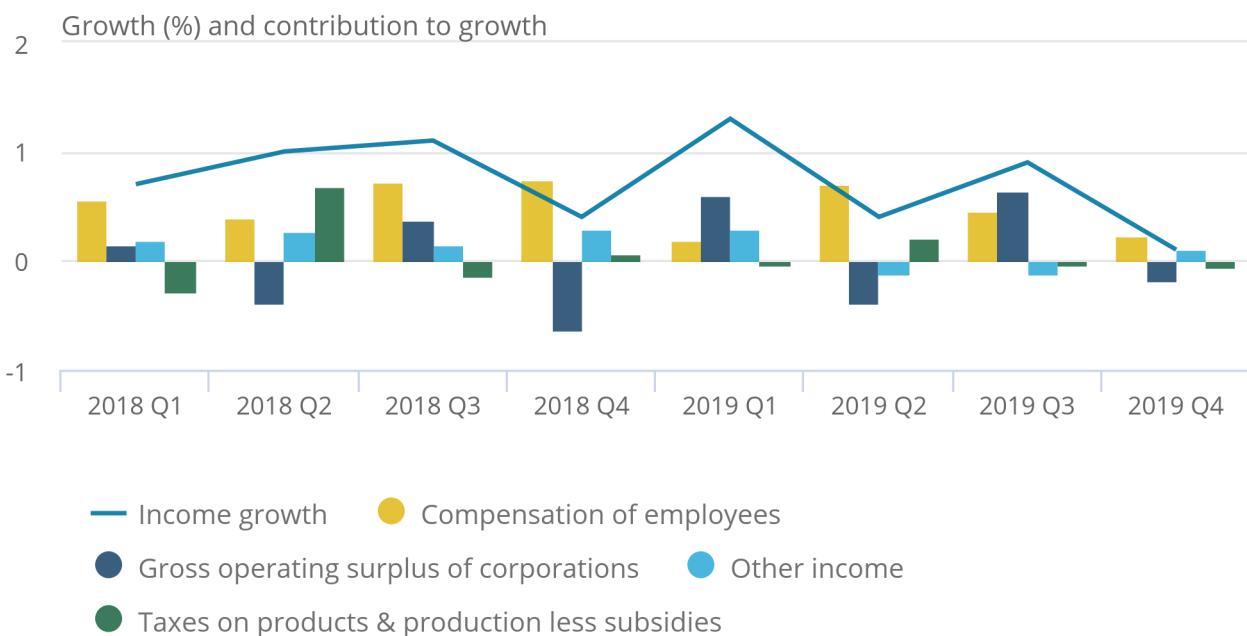
10 . Nominal GDP increased by 0.1% in Quarter 4 (Oct to Dec) 2019

Figure 7: The main contributor to growth in Quarter 4 (Oct to Dec) 2019 was compensation of employees

Growth and contribution to growth, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019

Figure 7: The main contributor to growth in Quarter 4 (Oct to Dec) 2019 was compensation of employees

Growth and contribution to growth, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019



Source: Office for National Statistics, GDP First Quarterly Estimate

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept), Q4 refers to Quarter 4 (Oct to Dec).

Growth in nominal gross domestic product (GDP) eased to 0.1% in Quarter 4 (Oct to Dec) 2019, following an increase of 0.9% in the previous quarter. The quarterly increase was driven by a 0.7% increase in compensation of employees.

For more information please see the bulletin for the first quarterly estimate of GDP.

11 . Things you need to know about this release

Revisions

This release gives data for the whole of 2019 for the first time and incorporates revisions to monthly data back to January 2019 as a result of late survey returns and a review of the seasonal adjustment.

After EU withdrawal

As the UK leaves the EU, it is important that our statistics continue to be of high quality and are internationally comparable. During the transition period, those UK statistics that align with EU practice and rules will continue to do so in the same way as before 31 January 2020.

After the transition period, we will continue to produce our national accounts statistics in line with the UK Statistics Authority's (UKSA's) [Code of Practice for Statistics](#) and in accordance with internationally agreed statistical guidance and standards.

The Withdrawal Agreement outlines a need for UK Gross National Income (a fundamental component of the national accounts, which includes gross domestic product (GDP)) statistics to remain in line with those of other EU countries until the EU budgets are finalised for the years in which we were a member. To ensure comparability during this cycle, the national accounts will continue to be produced according to [European System of Accounts \(ESA\) 2010](#) definitions and standards.

12 . Quality and methodology

Quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in the [Gross domestic product QMI](#).

13 . Related links

[Construction output in Great Britain: December 2019](#)

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Short-term measures of output by the construction industry in Great Britain.

[Index of Production, UK: December 2019](#)

Bulletin | 11 February 2020

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: December 2019](#)

Bulletin | 11 February 2020

Monthly movements in output for the services industries.

[GDP first quarterly estimate, UK: October to December 2019](#)

Bulletin | 11 February 2019

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.

GVA1

Monthly GDP based on GVA (Gross Value Added)¹
Chained volume indices of gross value added at basic prices^{2,3,4,5}

seasonally adjusted 2016=100

Section	Industry sections (SIC2007)																								Activities of households as employers, undifferentiated goods and services
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction ⁶	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Human health and social work activities	Arts, entertainment and recreation	Other service activities	S	T			
	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T		
2016 weights	1000	7	138	10	100	17	10	60	796	104	43	30	63	73	138	75	48	47	59	75	15	21	4		
	YBFR	L2KL	L2KQ	L2KR	L2KX	L2MW	L2N2	L2N8	L2NC	L2NE	L2NI	L2NQ	L2NT	L2O6	L2OC	L2OI	L2OX	L2P8	L2PA	L2PC	L2PJ	L2PP	L2PT		
2015	98.1	105.9	98.9	102.0	99.8	96.4	93.0	96.2	98.0	95.9	101.3	98.5	94.8	96.3	98.0	96.7	98.1	102.0	100.8	98.4	101.6	106.5	84.0		
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
2017	102.0	105.7	101.7	102.2	98.2	102.0	106.4	101.7	102.5	101.8	102.4	104.8	99.1	99.0	104.5	104.0	100.8	101.2	101.0	103.2	101.1	101.6			
2018	103.7	102.5	107.1	103.1	96.7	102.0	106.4	103.7	105.7	103.6	104.9	110.1	98.1	99.6	109.7	108.1	101.6	101.9	101.5	104.6	101.6	105.4			
2019	105.1	100.8	101.2	106.6	101.6	93.9	104.0	109.1	105.5	108.7	106.2	106.6	116.6	95.3	100.3	111.8	110.8	103.5	104.7	103.4	105.9	101.9	95.6		
	ECY2	ECY3	ECY4	ECY5	ECY6	ECY7	ECY8	ECY9	ECYC	ECYD	ECYG	ECYH	ECYI	ECYJ	ECYK	ECYL	ECYP	ECYQ	ECYR	ECYS	ECYT	ECYU	ECYV		
2017 Dec	102.9	105.0	102.8	87.1	104.2	100.6	101.8	109.6	102.4	102.9	101.9	102.6	108.1	98.3	99.2	107.1	107.3	101.0	101.0	101.0	104.3	100.5	101.4		
2018 Jan	103.0	103.9	102.7	104.3	104.1	95.4	99.7	106.8	102.8	103.4	102.3	103.6	107.3	98.9	99.4	108.6	107.7	100.9	101.0	101.2	103.8	101.6	102.1		
Feb	102.7	103.1	102.9	102.5	103.6	101.2	99.6	105.5	102.4	103.8	101.4	102.1	106.2	99.4	99.5	107.1	105.9	100.8	101.1	101.3	103.0	100.5	102.1		
Mar	102.7	102.7	102.8	99.5	103.1	103.5	101.1	103.6	102.7	103.0	100.9	103.0	108.2	99.2	99.6	108.0	106.4	100.8	101.3	101.3	103.9	102.5	104.5		
Apr	103.1	102.5	102.3	108.2	102.7	98.7	100.4	104.9	103.1	104.2	101.8	104.0	108.6	99.0	99.7	109.0	107.0	100.9	101.5	101.2	104.6	102.1	104.9		
May	103.4	102.4	101.9	106.5	103.0	91.7	101.9	106.3	103.5	106.2	103.0	104.7	108.8	98.6	99.8	109.0	107.0	101.2	101.7	101.1	104.7	102.2	104.3		
Jun	103.7	101.9	102.9	106.4	103.8	94.3	104.6	107.1	103.6	106.0	104.0	105.3	109.0	98.2	99.7	108.8	108.6	101.7	101.8	101.2	104.7	102.9	105.3		
Jul	104.0	101.7	103.2	111.1	103.5	97.2	104.3	107.2	103.9	107.2	104.1	105.9	109.1	97.9	99.7	110.2	108.4	102.1	101.8	101.2	103.4	102.5	106.5		
Aug	104.1	101.8	103.1	112.1	103.3	97.0	104.0	106.8	104.1	107.1	104.5	104.7	111.8	97.6	99.6	110.3	108.4	102.4	101.9	101.5	103.9	102.6	107.7		
Sep	104.1	102.4	102.5	108.0	103.0	94.9	104.3	107.6	104.2	106.3	104.6	105.1	113.3	97.4	99.5	110.7	108.0	102.3	102.1	101.8	104.9	101.0	107.6		
Oct	104.4	103.0	102.4	111.4	102.5	96.2	103.7	108.2	104.5	106.9	105.3	106.3	112.1	97.2	99.8	111.4	110.0	102.1	102.4	101.9	106.4	101.2	107.6		
Nov	104.6	103.0	102.2	107.9	102.6	95.7	103.2	107.8	104.8	107.8	105.5	107.2	112.9	96.9	99.7	112.0	110.1	102.1	102.7	102.0	105.6	100.3	106.5		
Dec	104.2	102.0	101.6	107.3	102.1	94.6	102.9	105.7	104.5	106.6	105.6	106.8	113.8	96.4	99.8	110.9	109.4	102.5	103.1	102.2	106.8	99.3	105.8		
2019 Jan	104.7	101.6	102.6	104.3	103.4	96.1	102.2	108.4	104.9	108.1	106.0	107.8	115.0	96.0	99.9	109.8	110.4	103.0	103.4	102.4	105.8	98.5	104.4		
Feb	105.1	101.3	102.8	108.1	104.1	91.8	102.1	110.4	105.1	108.1	106.0	108.0	115.3	95.4	100.0	110.9	111.1	103.4	103.8	102.5	105.7	99.4	101.9		
Mar	105.2	101.2	103.7	109.7	105.3	91.8	102.5	108.6	105.2	108.8	106.6	106.9	115.0	94.8	100.1	110.9	111.3	103.6	104.1	102.6	106.5	99.5	97.4		
Apr	104.6	101.1	100.3	105.8	100.6	94.4	101.7	108.3	105.1	108.9	106.6	106.3	116.3	94.3	100.2	110.3	110.6	103.6	104.4	102.6	104.8	99.4	95.7		
May	104.8	101.0	101.2	106.5	101.5	94.5	104.4	108.8	105.2	109.0	105.8	106.0	115.9	94.4	100.4	110.4	111.2	103.5	104.6	102.8	104.2	101.0	94.2		
Jun	105.1	100.7	101.3	106.1	101.5	94.7	104.6	107.4	105.6	108.5	105.4	108.7	117.3	95.1	102.0	112.1	110.3	103.5	104.6	103.1	107.5	102.1	96.1		
Jul	105.4	100.5	101.2	105.3	101.7	9																			

GVA2

Monthly GDP based on GVA (Gross Value Added)¹
Chained volume indices of gross value added at basic prices^{2,3,4,5}

seasonally adjusted 2016=100

Section	Industry sections (SIC2007)																				Activities of households as employers, undifferentiated goods and services		
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction ⁶	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Human health and social work activities	Arts, entertainment and recreation	Other service activities			
	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R		
2016 weights	1000	7	138	10	100	17	10	60	796	104	43	30	63	73	138	75	48	47	59	75	15	21	4
Percentage change, latest 3 months on same 3 months a year ago																							
	ED9T	ED9U	ED9V	ED9W	EDGQ	EDGR	EDGS	EDGT	EDGU	EDGV	EDGW	EDGX	EDGY	EDGZ	EDHA	EDHB	EDHC	EDHD	EDHE	EDHF	EDHG	EDHH	EDHI
2017 Dec	1.6	4.4	2.3	2.7	3.3	-3.1	0.5	5.4	1.2	2.0	1.5	4.5	-2.9	-1.5	4.6	5.4	1.1	0.9	0.3	4.6	1.0	2.0	
2018 Jan	1.5	2.1	1.1	-1.6	2.3	-3.4	-1.5	4.1	1.4	1.4	1.7	1.7	5.2	-1.9	-1.0	4.7	5.4	0.9	0.3	0.4	2.5	0.6	4.0
Feb	1.4	-0.4	0.9	-2.9	1.8	-0.4	-2.9	2.1	1.4	1.5	0.7	1.0	5.3	-1.1	-0.4	4.6	4.8	0.7	-0.1	0.4	1.5	1.0	4.9
Mar	1.3	-2.2	1.5	1.2	2.1	2.7	-4.2	-0.7	1.4	1.7	-0.5	0.7	5.6	-0.7	0.2	4.7	3.8	0.4	-0.4	0.3	0.4	2.0	5.1
Apr	1.3	-2.9	1.8	3.3	1.9	5.1	-2.9	-1.4	1.5	1.6	-0.7	0.2	5.0	-0.7	0.5	5.3	4.3	0.2	-0.2	0.1	0.3	1.6	4.2
May	1.4	-3.1	1.6	4.1	1.8	1.2	-0.9	-1.3	1.7	2.4	0.0	1.1	5.0	-0.9	0.7	5.5	4.3	0.0	0.2	-0.2	0.6	0.8	3.3
Jun	1.6	-3.2	1.4	5.0	1.8	-3.5	2.0	-0.2	1.9	3.2	1.5	2.0	3.9	-1.0	0.8	5.4	5.0	0.2	0.4	-0.3	1.6	0.7	2.1
Jul	1.8	-3.6	1.5	4.9	1.9	-4.4	2.9	0.9	2.0	4.1	2.4	2.4	3.7	-1.2	0.9	5.0	4.3	0.7	0.6	-0.2	1.9	1.2	1.2
Aug	2.0	-4.0	1.7	6.5	1.8	-2.3	3.6	0.8	2.1	4.0	2.9	2.6	4.2	-1.3	0.8	5.0	4.4	1.2	0.7	0.1	1.7	1.1	1.7
Sep	1.9	-4.1	1.1	6.9	1.0	-2.3	2.9	0.8	2.2	4.0	2.7	2.7	5.5	-1.3	0.8	4.9	3.7	1.6	0.8	0.4	1.4	0.0	2.3
Oct	1.9	-3.6	0.3	5.6	0.0	-2.1	2.5	1.4	2.3	3.6	2.8	3.6	5.8	-1.1	0.8	4.9	3.6	1.5	1.0	0.9	1.8	-0.8	4.2
Nov	1.9	-2.9	-0.5	2.3	-0.7	-2.4	1.8	1.6	2.4	3.7	3.0	4.5	5.8	-1.1	0.7	5.0	3.4	1.3	1.3	2.2	-1.0	5.0	
Dec	1.8	-2.5	-0.9	8.2	-1.4	-3.1	1.3	0.0	2.4	3.9	3.3	4.5	5.5	-1.3	0.6	4.8	3.1	1.3	1.7	1.4	2.3	-0.8	5.5
2019 Jan	1.6	-2.4	-0.7	6.7	-1.2	-2.6	1.6	-0.5	2.2	4.2	3.6	4.3	6.1	-2.0	0.5	3.2	2.6	1.5	2.1	1.2	2.2	-1.7	4.1
Feb	1.8	-2.3	-0.5	8.8	-0.7	-4.9	2.0	0.8	2.2	4.1	3.9	4.6	7.0	-3.0	0.5	2.7	3.1	2.0	2.4	1.2	2.3	-1.7	2.1
Mar	2.1	-1.8	0.2	5.2	0.7	-6.8	2.1	3.7	2.4	4.8	4.6	4.6	7.3	-3.8	0.5	2.4	4.0	2.5	2.6	1.2	2.3	-2.3	-1.6
Apr	2.1	-1.5	-0.4	4.3	0.2	-8.4	1.7	4.3	2.3	4.7	5.0	4.0	7.3	-4.4	0.5	2.4	4.3	2.7	2.8	1.3	1.8	-2.2	-5.3
May	1.7	-1.4	-0.6	2.5	-0.5	-4.5	1.7	3.5	2.0	4.2	4.3	2.4	6.6	-4.5	0.5	1.7	4.0	2.6	2.8	1.4	0.8	-2.3	-8.4
Jun	1.4	-1.3	-1.4	-0.8	-1.9	-0.4	1.2	1.9	1.8	3.2	2.9	2.3	7.1	-4.1	0.5	1.8	2.9	2.3	2.8	1.6	0.8	-1.6	-9.1
Jul	1.3	-1.2	-1.4	-1.9	-1.8	-0.1	0.7	1.4	1.8	2.2	2.4	1.9	7.4	-3.1	0.5	2.1	2.9	1.8	2.7	1.9	1.4	-0.6	-9.2
Aug	1.2	-1.2	2.0	3.8	-2.1	-2.5	0.2	1.2	1.8	1.9	2.0	1.9	6.6	-2.2	0.6	2.5	2.1	1.4	2.7	2.1	3.0	0.2	-9.3
Sep	1.2	-1.5	-2.1	-2.2	-2.2	-3.5	0.6	2.0	1.7	2.0	1.8	0.8	5.4	-1.9	0.7	2.0	2.1	1.2	2.8	2.3	2.2	1.4	-10.4
Oct	1.0	-1.9	-1.9	-2.3	-2.2	-2.8	1.0	1.4	1.5	2.3	1.3	-0.1	4.5	-1.8	0.8	2.0	1.2	1.2	2.8	2.3	1.0	2.2	-12.7
Nov	0.9	-2.3	-1.9	-1.0	-2.5	-1.5	1.3	1.7	1.3	1.8	0.7	-0.8	4.0	-2.0	0.9	1.4	0.8	1.3	2.8	2.3	0.0	3.1	-14.8
Dec	0.9	-2.4	-2.0	-3.7	-2.5	-0.8	2.0	2.5	1.3	1.4	0.8	-1.0	3.8	-1.5	0.9	1.4	1.0	1.3	2.7	2.2	-0.3	3.8	-15.8
Percentage change, latest month on previous month																							
	ECYX	ECYY	ECYZ	ECZ2	ECZA	ECZC	ECZD	ECZE	ECZG	ECZK	ECZN	ECZT	ECZU	ED2G	ED2H	ED2I	ED2J	ED2K	ED2L	ED2M	ED2N	ED2O	ED2P
2017 Dec	0.3	-0.4	-0.2	-19.3	0.7	2.4	0.0	2.4	0.2	-0.5	0.1	0.4	1.5	0.2	0.0	0.4	0.8	0.0	0.0	0.4	0.9	-0.6	0.7
2018 Jan	0.1	-1.0	-0.1	19.7	-0.1	-5.2	-2.1	-2.6	0.3	0.5	0.3	0.9	-0.7	0.6	0.2	1.5	0.3	-0.1	0.0	0.2	-0.5	1.0	0.6
Feb	-0.3	-0.8	0.2	-1.7	-0.5	6.1	-0.1	-1.2	-0.3	0.4	-0.8	-1.4	-1.0	0.6	0.1	-1.4	-1.7	-0.1	0.1	0.0	-0.7	-1.1	0.1

GVA3 Monthly GDP based on GVA (Gross Value Added)¹
Chained volume indices of gross value added at basic prices^{2,3,4,5}

seasonally adjusted 2016=100

Section	Industry sections (SIC2007)																				Activities of households as employers, undifferentiated goods and services		
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction ⁶	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Human health and social work activities	Arts, entertainment and recreation	Other service activities			
	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2016 weights	1000	7	138	10	100	17	10	60	796	104	43	30	63	73	138	75	48	47	59	75	15	21	4
Percentage change, latest month on same month a year ago																							
	ED2R	ED2S	ED2T	ED2U	ED2V	ED2W	ED2X	ED2Y	ED2Z	ED32	ED33	ED34	ED35	ED36	ED37	ED38	ED39	ED3A	ED3B	ED3C	ED3D	ED3E	ED3F
2017 Dec	1.5	2.5	0.5	-13.7	1.3	0.8	-0.1	5.9	1.3	0.6	2.2	1.9	5.1	-1.9	-1.1	4.5	5.8	1.1	0.5	0.5	3.1	-0.4	4.3
2018 Jan	1.4	-0.9	0.6	1.9	1.9	-5.4	-4.2	0.6	1.6	2.0	0.6	2.1	6.1	-0.9	-0.3	4.7	5.1	0.6	-0.4	0.4	0.7	1.4	6.1
Feb	1.3	-2.6	1.7	3.1	2.1	3.6	-4.4	0.0	1.3	2.0	-0.7	0.9	4.7	-0.4	0.2	4.6	3.6	0.4	-0.5	0.3	0.6	2.1	4.4
Mar	1.2	-3.2	2.3	-1.5	2.2	10.4	-3.9	-2.6	1.3	0.9	-1.4	0.9	5.9	-0.8	0.6	5.0	2.7	0.2	-0.1	0.1	0.0	2.3	4.8
Apr	1.5	-3.0	1.6	8.3	1.4	1.6	-0.2	-1.6	1.8	1.9	0.2	0.5	4.5	-0.9	0.7	6.5	6.6	-0.2	0.2	-0.2	0.3	0.3	3.4
May	1.6	-3.1	0.9	5.5	1.8	-8.0	1.5	0.1	1.9	4.4	1.3	1.8	4.7	-1.0	0.8	5.1	3.6	0.0	0.5	-0.4	1.5	-0.1	1.9
Jun	1.8	-3.6	1.8	1.3	2.2	-4.1	4.7	1.0	1.9	3.2	3.2	3.6	2.4	-1.1	0.9	4.5	4.8	0.6	0.6	-0.3	2.9	1.8	1.0
Jul	2.1	-4.1	1.9	7.9	1.8	-1.1	2.6	1.5	2.3	4.8	2.8	1.8	4.1	-1.5	0.9	5.5	4.4	1.4	0.8	0.1	1.2	1.8	0.8
Aug	2.0	-4.3	1.6	10.3	1.2	-1.7	3.5	-0.1	2.3	4.0	2.8	2.4	5.9	-1.3	0.7	4.9	4.0	1.7	0.8	0.4	0.9	-0.4	3.4
Sep	1.7	-3.9	-0.2	2.5	-0.1	-4.1	2.5	1.0	2.1	3.1	2.6	3.9	6.5	-1.2	0.8	4.3	2.8	1.6	0.9	0.7	2.1	-1.5	2.8
Oct	2.1	-2.5	-0.6	4.3	-1.2	-0.5	1.5	3.3	2.5	3.7	2.9	4.5	5.1	-0.8	0.8	5.6	4.1	1.3	1.4	1.6	2.4	-0.5	6.6
Nov	1.9	-2.2	-0.8	0.0	-0.9	-2.6	1.3	0.7	2.5	4.4	3.6	4.9	5.9	-1.3	0.5	5.1	3.4	1.1	1.7	1.4	2.2	-0.8	5.7
Dec	1.2	-2.8	-1.1	23.2	-2.0	-6.0	1.1	-3.6	2.1	3.7	3.6	4.0	5.3	-1.9	0.6	3.6	1.9	1.4	2.0	1.2	2.4	-1.2	4.3
2019 Jan	1.7	-2.2	-0.2	0.0	-0.6	0.8	2.6	1.5	2.0	4.5	3.6	4.1	7.1	-2.9	0.5	1.0	2.5	2.1	2.4	1.1	1.9	-3.0	2.3
Feb	2.3	-1.7	-0.1	5.4	0.6	-9.3	2.5	4.7	2.6	4.1	4.5	5.8	8.5	-4.0	0.5	3.5	4.9	2.6	2.7	1.3	2.5	-1.1	-0.2
Mar	2.3	-1.4	0.9	10.2	2.1	-11.3	1.3	4.9	2.4	5.6	5.6	3.8	6.3	-4.5	0.4	2.7	4.6	2.8	2.8	1.3	2.5	-2.9	-6.8
Apr	1.5	-1.4	-2.0	-2.2	2.0	-4.4	1.3	3.2	2.0	4.5	4.7	2.3	7.1	-4.8	0.5	1.1	3.4	2.7	2.9	1.4	0.2	2.6	8.8
May	1.4	-1.4	-0.6	0.0	-1.5	3.0	2.4	2.4	1.6	2.7	2.7	1.2	6.5	-4.2	0.6	1.3	3.9	2.3	2.8	1.6	-0.4	-1.2	-9.8
Jun	1.3	-1.2	-1.6	-0.3	-2.2	0.4	0.0	0.3	1.9	2.3	1.4	3.3	7.6	-3.2	0.5	3.1	1.6	1.8	2.7	1.9	2.7	-0.9	-8.8
Jul	1.4	-1.2	-2.0	-5.2	-1.8	-3.4	-0.1	1.5	1.9	1.6	3.1	1.3	8.1	-2.0	0.6	2.1	3.1	1.4	2.7	2.1	2.1	0.3	-9.0
Aug	1.1	-1.4	-2.5	-5.7	-2.4	-4.5	0.8	1.8	1.6	2.0	1.4	1.2	4.2	-1.5	0.7	2.2	1.7	1.1	2.7	2.3	4.2	1.0	-10.0
Sep	1.1	-1.9	-1.8	4.4	-2.4	-2.5	1.0	2.6	1.5	2.5	1.0	-0.1	4.2	-2.3	0.9	1.7	1.5	1.2	2.9	2.3	0.3	2.8	-12.2
Oct	1.0	-2.4	-1.6	-5.4	-1.7	-1.3	1.0	-0.2	1.5	2.4	1.4	-1.4	5.3	-1.4	0.9	1.9	0.4	1.4	2.7	2.3	-1.4	2.8	-15.8
Nov	0.5	-2.5	-2.5	-1.7	-3.3	-0.5	1.8	2.6	0.8	0.5	-0.2	-1.0	2.7	-2.2	0.9	0.5	0.6	1.4	2.8	2.2	1.1	3.6	-16.6
Dec	1.2	-2.2	-1.8	-3.9	-2.5	-0.6	3.1	5.0	1.4	1.2	1.1	-0.6	3.4	-0.7	0.9	1.7	1.9	1.1	2.7	2.2	-0.7	5.0	-15.0

1 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 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.

Sources: For further information on these data please telephone 01633 456724 or E-mail gdp@ons.gov.uk

	Industry sections (SIC2007)																									Activities of households as employers, undifferentiated goods and services			
Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity, gas, steam and air	Water supply, sewerage etc	Construction ⁴	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Human health and social work activities	Arts, entertainment and recreation	Other service activities											
Section	A-T	A	B-E	B	C	D	E	F	G-T	H	I	J	K	L	M	N	O	P	Q	R	S	T							
2016 weights	1000	7	138	10	100	17	10	60	796	104	43	30	63	73	138	75	48	47	59	75	15	21	4						
Percentage change, latest 3 months on previous 3 months ³																													
2017 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	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	0.0	0.0	0.0	0.0		
2018 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	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	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	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	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	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	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	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	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	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	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	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	0.0	0.0	0.0	0.0		
2019 Jan	0.0	0.1	-0.1	-0.1	-0.1	0.1	0.2	0.0	0.0	-0.1	0.2	0.0	-0.2	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	-0.1	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	
Feb	0.0	0.3	-0.2	-0.2	-0.3	0.3	0.3	0.2	-0.1	-0.1	0.4	0.0	-0.2	-0.1	0.0	-0.1	-0.1	-0.1	0.1	0.1	0.1	-0.1	-0.1	-0.7	0.0	0.0	0.0	0.0	
Mar	0.0	0.6	-0.3	-0.3	-0.6	0.5	0.4	0.1	0.0	-0.2	0.7	0.1	-0.2	-0.1	0.0	-0.1	0.1	0.0	0.0	0.3	0.0	0.0	-0.4	-1.7	0.0	0.0	0.0	0.0	
Apr	-0.1	0.4	-0.3	-0.1	-0.5	0.0	0.0	0.0	0.0	0.0	0.7	-0.1	-0.1	-0.1	0.0	-0.1	0.3	0.0	-0.1	0.2	0.1	-0.3	-2.9	0.0	0.0	0.0	0.0	0.0	
May	0.0	0.2	-0.4	0.0	-0.5	-0.4	-0.1	-0.1	0.0	0.2	0.7	-0.2	-0.1	-0.1	0.0	0.2	0.3	0.0	-0.1	0.0	0.2	-0.4	-3.6	0.0	0.0	0.0	0.0	0.0	
Jun	0.0	-0.2	-0.3	0.0	-0.4	-0.6	-0.2	0.1	0.0	0.1	0.3	0.0	0.0	0.1	0.2	0.2	0.0	-0.1	0.5	0.0	-0.1	-0.5	-2.5	0.0	0.0	0.0	0.0	0.0	
Jul	0.0	-0.5	-0.3	0.0	-0.3	-0.5	-0.1	0.1	0.0	0.2	0.0	0.0	0.4	0.0	0.2	0.0	0.1	-0.1	0.5	0.2	-0.2	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.1	-0.5	-0.2	0.2	-0.3	0.0	-0.3	0.0	0.1	-0.1	0.1	0.2	0.2	0.4	0.1	0.3	-0.1	0.0	0.2	0.0	0.5	0.3	1.9	0.0	0.0	0.0	0.0	0.0	
Sep	0.1	-0.3	-0.2	1.8	-0.3	0.2	-0.4	-0.1	0.0	-0.2	0.2	-0.1	0.0	0.0	0.4	-0.1	0.0	0.3	0.1	0.3	0.1	0.3	0.2	1.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	-0.1	-0.1	2.3	-0.3	-0.1	0.1	-0.1	0.0	-0.1	0.1	-0.1	0.1	-0.2	-0.1	0.5	0.0	0.0	0.2	0.2	0.5	0.3	0.3	-3.3	0.0	0.0	0.0	0.0	0.0
Nov	-0.1	-0.1	0.0	2.3	-0.3	-0.1	0.8	0.2	-0.1	0.0	0.0	0.2	-0.3	-0.6	-0.2	0.2	0.1	0.0	0.3	0.2	0.6	0.4	-8.1	0.0	0.0	0.0	0.0	0.0	
Percentage change, latest 3 months on same 3 months a year ago ³																													
2017 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	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	0.0	0.0	0.0	0.0	0.0	
2018 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	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	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	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	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	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	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	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	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	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	0.0	0.0	0.0	0.0	0.0	
Nov	0.0	-0.1	-0.8	2.1	-1.3	-0.2	0.7	0.3	0.1	-0.3	1.1	0.1	-0.1	0.1	-0.1	0.1	-0.5	-0.3	-0.1	0.6	0.2	-0.1	0.4	0.3	1.3	0.3	-9.7	0.0	

¹ 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 av-

Sources: For further information on these data please telephone 01633 456724 or E-mail gdp@ons.gov.uk

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4. Monthly data from the construction survey are only av-

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.

Sources: For further information on these data please telephone 01633 456724 or E-mail gdp@ons.gov.uk

CONTRIB 1 Monthly GDP based on GVA (Gross Value Added)¹

Contributions to growth of gross value added at basic prices^{2,3}

seasonally adjusted 2016=100

¹ 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 can be submitted to GVA online.

4 Contributions are based on output GVA growth

Sources: For further information on these data please telephone 01223 452724 or E-mail ads@cam.ac.uk

CONTRIB 2 Monthly GDP based on GVA (Gross Value Added)¹

Contributions to growth of gross value added at basic prices^{2,3,4}

seasonally adjusted 2016=100

1 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

Sources: For further information on these data please telephone 01622 456724 or E-mail gdp@ons.gov.uk