

Statistical bulletin

GDP monthly estimate, UK: September 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.



Contact:
James Scruton
GDP@ons.gov.uk
+44 (0)1633 455284

Release date:
11 November 2019

Next release:
10 December 2019

Table of contents

1. [UK GDP grew by 0.3% in Quarter 3 2019](#)
2. [The services sector was the main driver to GDP growth in the three months to September 2019](#)
3. [Rolling three-month growth returned to rates seen before the notable strength in the three months to March 2019](#)
4. [GDP fell by 0.1% in September 2019](#)
5. [Quarterly growth in the services sector was 0.4%](#)
6. [Output in the production sector was flat in Quarter 3 2019](#)
7. [The construction sector grew by 0.6% in Quarter 3 2019](#)
8. [The expenditure measure of GDP increased by 0.3% in Quarter 3 2019](#)
9. [Nominal GDP increased by 0.5% in Quarter 3 2019](#)
10. [Related links](#)

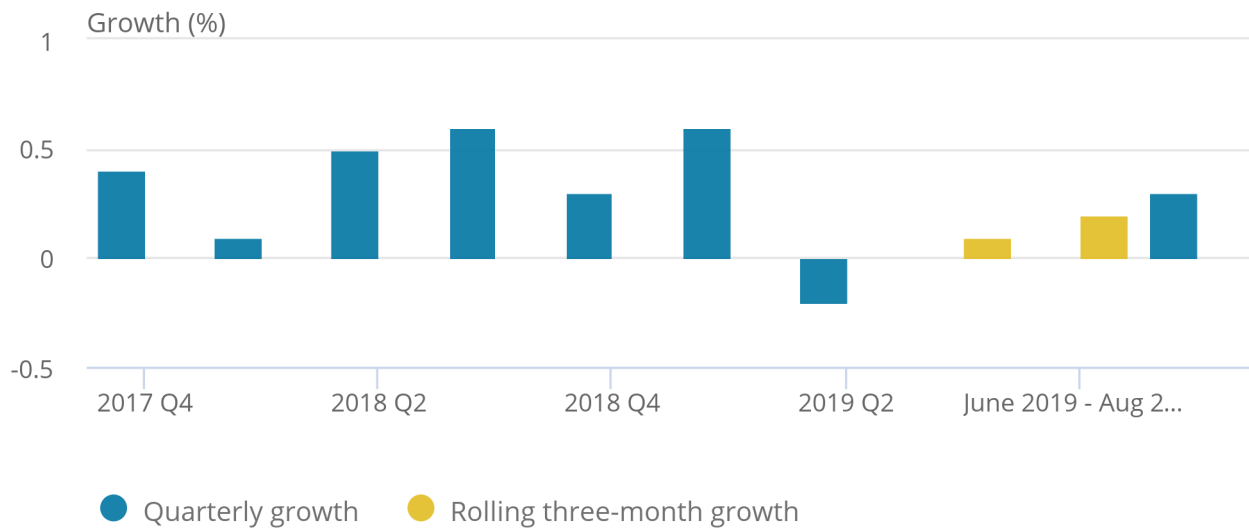
1 . UK GDP grew by 0.3% in Quarter 3 2019

Figure 1: GDP grew in Quarter 3 (July to Sept) 2019 after contracting in Quarter 2 (Apr to June) 2019

UK GDP growth, Quarter 4 (Oct to Dec) 2017 to Quarter 3 (July to Sept) 2019

Figure 1: GDP grew in Quarter 3 (July to Sept) 2019 after contracting in Quarter 2 (Apr to June) 2019

UK GDP growth, Quarter 4 (Oct to Dec) 2017 to Quarter 3 (July to Sept) 2019



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 July to September compared with the previous April to June.

Commenting on today's GDP figures for Quarter 3, an ONS Statistician said:

"GDP grew steadily in the third quarter, mainly thanks to a strong July. Services again led the way with construction also performing well. Manufacturing failed to grow as falls in many industries were offset by car production bouncing back following April shutdowns.

Looking at the picture over the last year, growth slowed to its lowest rate in almost a decade.

The underlying trade deficit narrowed, mainly due to growing exports of both goods and services."

Gross domestic product (GDP) grew by 0.3% in Quarter 3 (July to Sept) 2019, following a 0.2% fall in Quarter 2 (Apr to June) 2019. When compared with the same quarter of 2018, however, GDP grew by 1.0%, the lowest rate of growth since Quarter 1 (Jan to Mar) 2010.

2 . The services sector was the main driver to GDP growth in the three months to September 2019

Table 1: The services and construction sectors contributed positively to GDP growth in Quarter 3 2019, whereas the production sector had a slight negative contribution

Three-month growth (%) Contribution to growth (percentage points)		
Index of Services	0.4	0.29
Index of Production	0.0	-0.01
Construction	0.6	0.04

Source: Office for National Statistics – GDP monthly estimate

The often-dominant services sector was the main driver to gross domestic product (GDP) growth in the three months to September 2019, growing by 0.4% and contributing 0.29 percentage points. Construction also performed well over this period, showing the first positive rolling three-month growth since May 2019. The solid growths in both services and construction were driven by notable strength in July.

Production was flat in the three months to September 2019; this sector has not seen positive rolling three-month growth since April 2019. Manufacturing, the largest sub-sector of production, was also flat in the three months to September 2019.

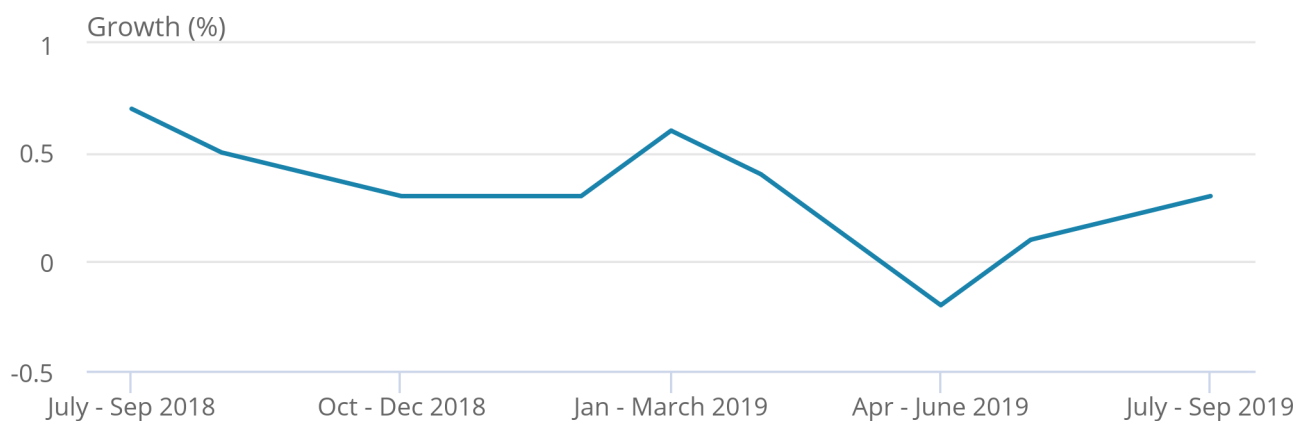
3 . Rolling three-month growth returned to rates seen before the notable strength in the three months to March 2019

Figure 2: Rolling three-month growth continued to recover after contracting in June 2019

Growth, three-months on previous three-months, July to September 2018 until July to September 2019

Figure 2: Rolling three-month growth continued to recover after contracting in June 2019

Growth, three-months on previous three-months, July to September 2018 until July to September 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 July to September compared with the previous April to June.

Rolling three-month growth was 0.3% in September 2019, following a volatile period in the first half of 2019. Gross domestic product (GDP) growth is now consistent with the rates seen in the second half of 2018.

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 . GDP fell by 0.1% in September 2019

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

July 2019 August 2019 September 2019 Quarter 3 2019

GDP	0.3%	-0.2%	-0.1%	0.3%
Index of Services	0.3%	-0.1%	0.0%	0.4%
Index of Production	0.1%	-0.7%	-0.3%	0.0%
Manufacturing	0.5%	-0.7%	-0.4%	0.0%
Construction	1.3%	0.1%	-0.2%	0.6%
Agriculture	-0.1%	-0.1%	-0.2%	-0.2%

Source: Office for National Statistics – GDP monthly estimate

Monthly gross domestic product (GDP) growth was negative 0.1% in September 2019, with all main sectors showing either zero or negative growth. However, a weak Quarter 2 (Apr to June) 2019 base period, along with strength in services and construction in July 2019, resulted in a positive Quarter 3 (July to Sept) 2019.

In this release, July and August are both open to revision. Both July and August have been revised downward by 0.1 percentage points.

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.

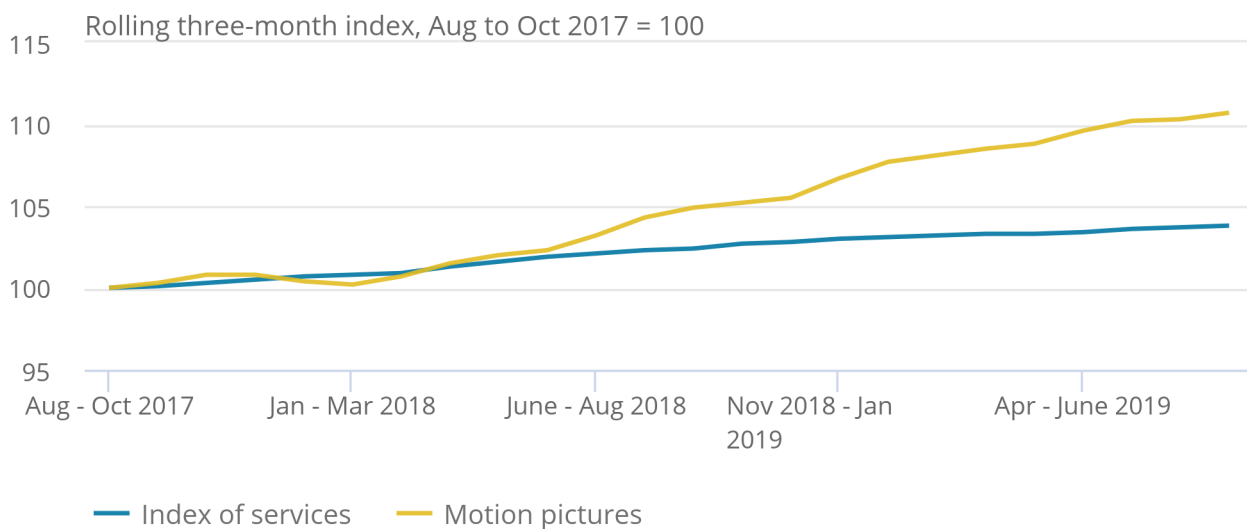
5 . Quarterly growth in the services sector was 0.4%

Figure 3: Information and communication has grown faster than any other sub-sector of services over the last two years

Rolling three-month index, August to October 2017 until July to September 2019, August to October 2017 = 100

Figure 3: Information and communication has grown faster than any other sub-sector of services over the last two years

Rolling three-month index, August to October 2017 until July to September 2019, August to October 2017 = 100



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 July to September compared with the previous April to June.

The services sector grew by 0.4% in Quarter 3 (July to Sept) 2019. Quarterly growth was driven by strength in July 2019 and comparison with a very weak April 2019 in the previous three months.

The main contributor to this growth was information and communication, which grew by 0.8%, and has been the fastest-growing sub-sector of services over the last two years. Within this sub-sector, both motion pictures (including TV and music) and computer programming have showed significant strength over this period.

The services sector was flat in September 2019 after contracting in August 2019. Information and communication was the biggest positive contributor, with motion pictures driving this strength, in line with its general performance over the last couple of years.

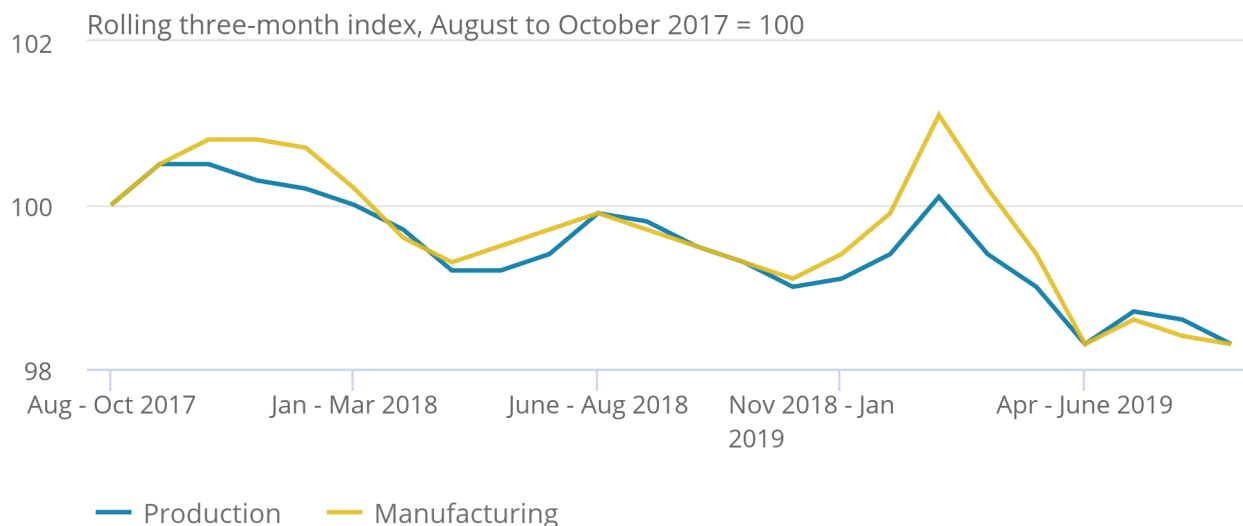
6 . Output in the production sector was flat in Quarter 3 2019

Figure 4: Production and manufacturing have both seen longer-term declines

Rolling three-month index, August to October 2017 until July to September 2019, August to October 2017 = 100

Figure 4: Production and manufacturing have both seen longer-term declines

Rolling three-month index, August to October 2017 until July to September 2019, August to October 2017 = 100



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 July to September compared with the previous April to June.

Quarterly growth in production was 0.0% in Quarter 3 (July to Sept) 2019. In total, 8 out of the last 12 rolling three-month growth rates have been negative.

Output in the manufacturing sector was also flat on the quarter, where widespread falls across many manufacturing sub-industries were offset by a large increase in the manufacture of transport equipment (see the [Index of Production](#) bulletin for more details). The growth in the manufacture of transport equipment was driven by car production, which bounced back from the fall in Quarter 2 (Apr to June) 2019 caused by several car production plants bringing forward their summer shutdowns. Elsewhere in production, the water supply sector increased, while both the mining and energy sectors fell.

Production fell by 0.3% in September 2019, driven by weakness in the often-volatile pharmaceutical sector, which fell for the second month in a row following strong growth in July.

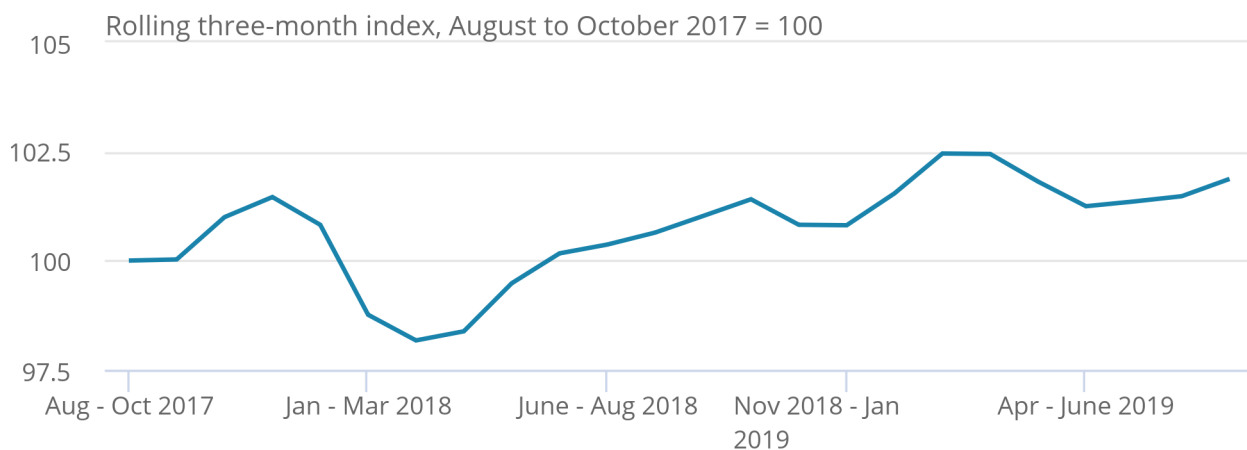
7 . The construction sector grew by 0.6% in Quarter 3 2019

Figure 5: The construction sector grew for the third consecutive rolling three month period following a weak three-months to June 2019

Rolling three-month index, August to October 2019 until July to September 2019, August to October 2017 = 100

Figure 5: The construction sector grew for the third consecutive rolling three month period following a weak three-months to June 2019

Rolling three-month index, August to October 2019 until July to September 2019, August to October 2017 = 100



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 July to September compared with the previous April to June.

Quarterly growth in construction was 0.6% in Quarter 3 (July to Sept) 2019, driven by an increase in private new housing, private commercial and private industrial.

Construction fell by 0.2% in September 2019. This was driven by falls in non-housing repair and maintenance, and public housing repair and maintenance.

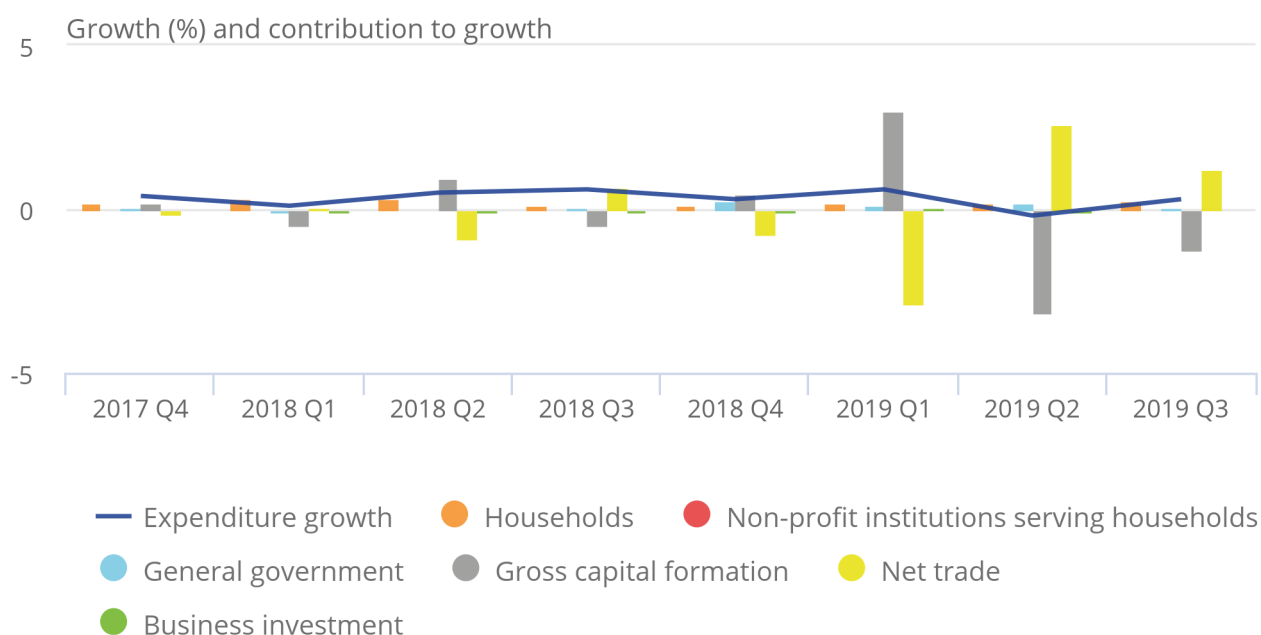
8 . The expenditure measure of GDP increased by 0.3% in Quarter 3 2019

Figure 6: Net trade made a positive contribution to growth, partially offset by Gross Capital Formation

Growth and contribution to growth, Quarter 4 (Oct to Dec) 2017 to Quarter 3 (July to Sept) 2019

Figure 6: Net trade made a positive contribution to growth, partially offset by Gross Capital Formation

Growth and contribution to growth, Quarter 4 (Oct to Dec) 2017 to Quarter 3 (July to Sept) 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).

The expenditure measure of gross domestic product (GDP) increased by 0.3% in Quarter 3 (July to Sept) 2019. Private consumption, government consumption and net trade contributed positively to growth while gross capital formation (GCF) subtracted from GDP growth.

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

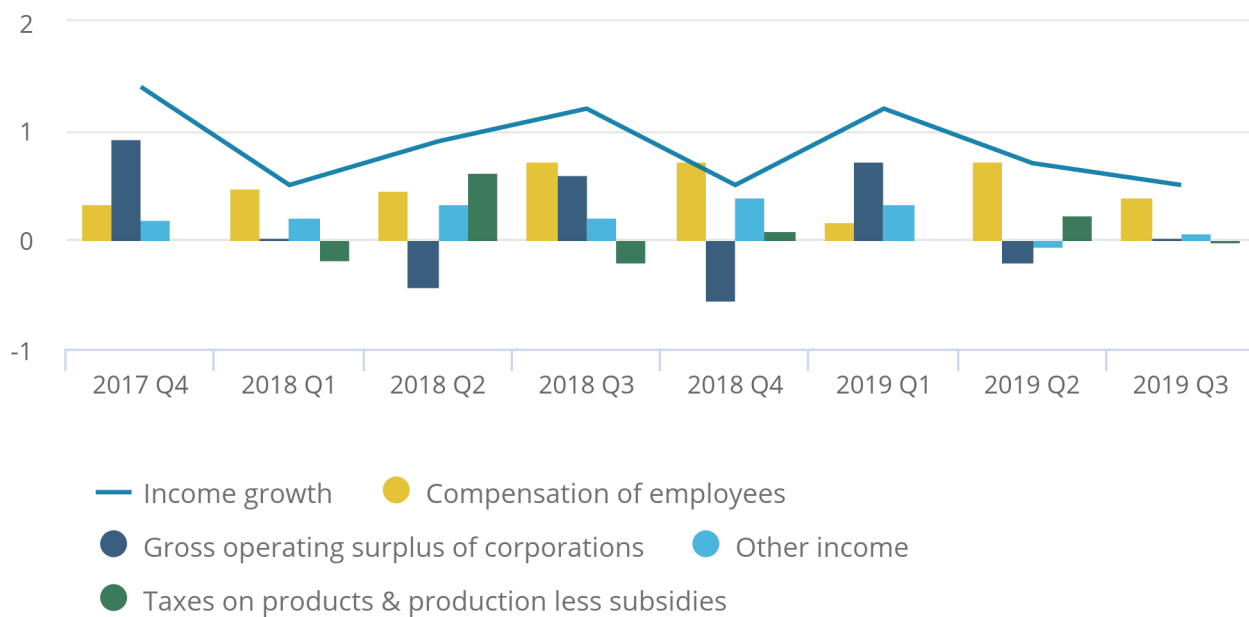
9 . Nominal GDP increased by 0.5% in Quarter 3 2019

Figure 7: The main contributor to growth in Quarter 3 (July to Sep) 2019 was compensation of employees

Growth and contribution to growth, Quarter 4 (Oct to Dec) 2017 to Quarter 3 (July to Sept) 2019

Figure 7: The main contributor to growth in Quarter 3 (July to Sep) 2019 was compensation of employees

Growth and contribution to growth, Quarter 4 (Oct to Dec) 2017 to Quarter 3 (July to Sept) 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 0.5% in Quarter 3 (July to Sept) 2019, following an increase of 0.7% in the previous quarter. The quarterly increase was driven by a 0.9% increase in compensation of employees.

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

10 . Related links

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

Bulletin | Released 11 November 2019

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

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

Bulletin | Released 11 November 2019

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: September 2019](#)

Bulletin | Released 11 November 2019

Monthly movements in output for the services industries.

[GDP first quarterly estimate, UK: July to September 2019](#)

Bulletin | Released 11 November 2019

First quarterly estimate of gross domestic product (GDP), containing current and constant price data on the value of goods and services to indicate the economic performance of the UK.

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

Industry sections (SIC2007)																							
	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	Transport and storage	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	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers, undifferentiated goods and services
Section	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
2014	96.0	104.8	97.9	97.0	99.9	94.3	89.2	92.5	95.9	92.3	100.4	94.4	89.8	100.1	95.4	92.3	93.4	104.5	99.7	96.8	100.9	102.3	83.8
2015	98.1	105.9	98.9	102.0	99.8	96.4	93.3	96.2	98.0	95.9	101.3	98.5	96.4	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	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	101.5	101.9	106.6	102.6	96.4	100.2	106.0	103.8	105.6	103.1	104.3	109.4	99.0	100.4	109.3	107.9	101.6	101.7	102.4	105.0	101.6	112.2
	ECY2	ECY3	ECY4	ECY5	ECY6	ECY7	ECY8	ECY9	ECYC	ECYD	ECYG	ECYH	ECYI	ECYJ	ECYK	ECYL	ECYP	ECYQ	ECYR	ECYS	ECYT	ECYU	ECYV
2017 Sep	102.4	106.6	102.7	105.4	103.1	98.9	101.7	106.6	102.0	103.1	101.9	101.1	106.4	98.6	98.7	106.1	105.1	100.7	101.3	101.0	102.8	102.5	104.7
Oct	102.3	105.7	103.0	106.8	103.8	96.7	102.2	104.8	101.9	103.0	102.4	101.7	106.6	98.0	99.0	105.6	105.7	100.8	101.0	100.3	103.9	101.7	101.0
Nov	102.6	105.4	103.0	108.0	103.5	98.2	101.8	107.0	102.2	103.3	101.8	102.2	106.5	98.1	99.2	106.6	106.5	101.0	101.0	100.6	103.3	101.1	100.7
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	102.8	102.4	103.8	103.8	95.1	99.2	106.3	102.8	103.4	101.8	102.4	106.4	99.3	100.1	107.9	107.6	100.8	100.9	102.2	104.3	102.7	108.6
Feb	102.7	102.0	102.5	101.8	103.1	100.9	100.0	105.0	102.5	103.9	101.0	101.3	105.5	99.7	100.2	106.6	105.9	100.7	101.0	102.2	103.1	101.3	109.6
Mar	102.7	101.6	102.2	98.7	102.6	103.1	99.4	103.1	102.8	103.0	100.4	102.4	107.4	99.5	100.3	107.5	106.6	100.7	101.2	102.1	103.7	103.1	112.7
Apr	103.1	101.4	101.6	107.7	102.0	98.9	98.6	104.4	103.2	104.1	101.4	103.3	107.8	99.4	100.4	108.6	107.3	100.8	101.5	102.0	104.4	102.8	112.9
May	103.4	101.2	101.1	106.2	102.3	91.7	99.2	105.7	103.6	106.0	102.6	104.1	108.1	99.3	100.5	108.5	107.2	101.1	101.6	101.9	105.0	102.7	112.2
Jun	103.8	100.9	102.1	105.7	103.2	93.1	101.8	106.6	103.9	105.9	103.3	105.1	109.0	99.2	100.4	108.5	108.9	101.6	101.6	102.0	106.0	103.1	111.2
Jul	104.0	100.6	102.3	110.8	102.7	96.4	102.2	106.6	104.1	107.0	103.6	105.3	108.8	99.2	100.4	109.9	108.3	102.1	101.5	102.2	105.1	102.3	111.7
Aug	104.1	100.7	102.4	111.6	102.8	96.4	101.6	106.3	104.3	106.9	103.9	104.3	110.9	99.0	100.3	109.9	107.8	102.4	101.5	102.5	105.8	102.3	112.7
Sep	104.1	101.3	101.7	108.1	102.5	94.2	100.7	107.5	104.3	106.2	103.6	104.2	112.4	98.9	100.3	110.5	107.5	102.3	101.8	102.8	105.6	100.9	113.9
Oct	104.4	101.9	101.7	110.7	102.1	96.5	100.1	107.8	104.6	106.8	104.9	105.5	110.9	98.6	100.5	111.4	109.1	102.1	102.3	102.9	105.3	100.7	114.1
Nov	104.6	102.0	101.6	107.6	102.4	95.7	99.5	107.5	104.9	108.0	105.3	106.5	111.9	98.0	100.4	111.8	109.7	102.0	102.8	103.1	104.8	99.4	113.9
Dec	104.3	101.0	101.0	106.6	101.8	94.4	99.7	105.6	104.8	106.6	105.4	106.9	113.5	97.6	100.5	111.1	108.5	102.4	103.1	103.2	106.5	98.3	112.5
2019 Jan	104.8	100.6	102.0	104.9	103.2	96.0	98.6	107.8	105.1	108.0	105.3	106.9	114.7	97.1	100.6	109.9	110.0	102.9	103.4	103.3	106.3	98.6	111.0
Feb	105.1	100.0	102.3	107.9	103.9	91.5	99.1	109.9	105.2	108.2	105.2	106.7	114.9	96.5	100.7	110.7	110.6	103.4	103.6	103.5	106.5	98.3	108.8
Mar	105.1	99.9	103.2	109.2	105.1	90.9	99.8	108.5	105.2	108.5	105.2	106.3	114.8	96.2	100.8	110.4	110.1	103.7	103.9	103.6	107.0	98.2	106.2
Apr	104.6	99.7	100.0	105.5	100.6	94.0	99.2	107.7	105.2	108.5	105.1	106.0	115.9	95.9	100.9	109.9	109.9	103.7	104.1	103.8	105.6	97.3	105.4
May	104.8	99.8	101.1	106.6	101.6	94.9	100.9	107.9	105.3	108.5	104.6	105.5	116.0	96.2	101.1	109.9	110.5	103.7	104.3	104.0	104.4	97.1	103.5
Jun	105.0	99.8	101.1	106.4	101.3	97.4	101.1	106.7	105.5	108.1	104.1	107.7	117.1	96.6	101.0	111.0	109.7	103.6	104.5	104.2	106.1	97.1	101.6
Jul	105.3	99.7	101.2	104.5	101.8	95.6	101.4	108.1	105.8	108.5	105.7	106.8	117.8	96.8	101.0	110.9	111.2	103.6	104.8	104.4	104.8	98.2	102.5
Aug	105.1	99.6	100.5	103.4	101.1	94.6	101.6	108.2	105.7	108.9	104.5	105.6	116.5	97.0	101.1	111.1	109.7	103.6	104.9	104.7	106.4	99.2	103.9
Sep	105.0	99.4	100.3	105.2	100.7	94.0	101.7	108.0	105.7	108.6	103.9	105.2	118.2	96.7	101.2	111.1	109.2	103.7	104.7	104.9	104.0	98.8	105.2
Percentage change, latest year on previous year	GDPQ	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3E4	L3E8	L3EG	L3EJ	L3EU	L3F2	L3F8	L3FN	L3FW	L3FY	L3G2	L3G9	L3GF	L3GJ
2014	2.6	13.9	1.6	-0.3	2.9	-4.4	0.6	10.0	2.1	4.1	3.6	1.2	0.0	-1.0	1.8	4.4	8.4	-3.2	0.1	1.7	3.8	9.7	-4.7
2015	2.2	1.0	1.0	5.1	-0.1	2.2	4.6	4.0	2.2	3.9	0.9	4.4	5.6	-3.8	2.8	4.8	5.0	-2.4	1.1	1.7	0.8	4.0	0.3
2016	1.9	-5.5-																					

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

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: motor vehicles and motorcycles	Transport and storage	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	Education	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	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 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 Sep	1.9	7.1	2.0	-0.4	2.6	-0.4	1.2	5.9	1.5	3.0	1.6	2.4	4.2	-3.2	-1.1	4.9	4.4	1.0	1.6	1.1	3.1	2.1	-0.2
Oct	1.8	6.8	2.8	5.9	3.4	-1.6	1.4	5.6	1.4	2.3	1.6	1.0	4.1	-3.9	-1.3	4.9	4.6	1.1	1.6	0.8	5.6	2.6	0.3
Nov	1.7	6.0	3.1	9.1	3.9	-3.3	1.1	5.4	1.2	1.8	1.8	0.9	4.0	-3.5	-1.6	4.9	4.6	1.1	1.4	0.4	5.2	2.0	1.1
Dec	1.6	4.4	2.3	2.7	3.3	-3.1	0.5	5.4	1.2	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	1.7	1.1	-1.7	2.2	-3.5	-1.6	4.0	1.4	1.4	1.5	1.3	4.9	-1.8	-0.8	4.4	5.4	0.9	0.3	0.7	2.6	1.0	6.2
Feb	1.4	-1.1	0.7	-3.3	1.5	-0.6	-2.9	1.8	1.5	1.5	0.4	0.3	4.8	-0.8	0.1	4.2	4.8	0.7	-0.2	1.0	1.6	1.7	9.7
Mar	1.3	-3.3	1.1	0.5	1.7	2.3	-4.7	-1.1	1.5	1.6	-1.0	-0.2	4.8	-0.4	0.9	4.1	3.8	0.3	-0.4	1.2	0.6	2.8	12.6
Apr	1.3	-3.9	1.3	2.6	1.4	4.9	-3.9	-1.8	1.6	1.6	-1.1	-0.5	4.3	-0.4	1.3	4.8	4.4	0.1	-0.2	0.9	0.2	2.3	12.1
May	1.4	-4.1	0.9	3.6	1.2	1.1	-3.0	-1.8	1.8	2.3	-0.4	0.5	4.3	-0.5	1.4	5.1	4.5	-0.1	0.1	0.6	0.6	1.4	11.3
Jun	1.6	-4.3	0.7	4.5	1.2	-3.8	-0.4	-0.6	2.0	3.1	1.0	1.5	3.4	-0.3	1.5	5.0	5.2	0.1	0.3	0.5	2.0	1.1	9.2
Jul	1.8	-4.6	0.7	4.5	1.3	-5.1	0.4	0.4	2.2	4.0	1.9	1.9	3.5	-0.2	1.6	4.7	4.4	0.6	0.4	0.6	3.0	1.4	7.3
Aug	2.0	-5.0	0.9	6.0	1.1	-3.2	1.2	0.3	2.3	3.8	2.3	2.2	3.8	0.0	1.6	4.6	4.3	1.2	0.4	1.0	3.3	1.0	6.9
Sep	1.9	-5.1	0.3	6.7	0.4	-3.0	0.2	0.4	2.4	3.8	2.0	2.1	4.9	0.1	1.5	4.6	3.4	1.6	0.4	1.4	2.8	-0.2	7.6
Oct	1.9	-4.6	-0.4	5.3	-0.5	-2.5	-0.6	1.0	2.4	3.5	2.1	2.9	4.9	0.4	1.5	4.7	3.0	1.5	0.7	1.9	2.3	-1.1	10.0
Nov	1.9	-3.9	-1.2	2.0	-1.1	-2.6	-1.8	1.4	2.5	3.7	2.5	3.7	4.9	0.3	1.4	4.8	2.9	1.3	1.2	2.3	1.8	-1.4	11.6
Dec	1.8	-3.5	-1.5	7.6	-1.7	-3.0	-2.1	-0.2	2.6	3.9	3.1	4.0	4.7	0.0	1.3	4.7	2.5	1.2	1.7	2.4	1.6	-1.7	12.3
2019 Jan	1.7	-3.0	-1.2	6.8	-1.4	-2.7	-1.7	-0.6	2.4	4.2	3.4	4.3	5.9	-1.0	1.0	3.5	2.1	1.5	2.1	1.9	1.8	-2.6	8.6
Feb	1.8	-2.6	-0.8	9.1	-0.7	-4.9	-1.2	0.7	2.4	4.1	3.7	4.6	7.2	-2.1	0.8	3.2	2.6	2.1	2.4	1.6	2.4	-3.1	4.0
Mar	2.2	-1.9	0.2	5.8	0.9	-6.9	-0.4	3.7	2.4	4.7	4.1	4.5	7.9	-2.9	0.5	2.8	3.3	2.6	2.6	1.3	2.8	-3.9	-1.5
Apr	2.1	-1.8	-0.2	4.7	0.6	-8.7	0.1	4.4	2.3	4.6	4.2	3.9	7.8	-3.3	0.5	2.6	3.4	2.9	2.6	1.5	2.5	-4.4	-4.4
May	1.8	-1.6	-0.2	2.8	0.1	-4.7	0.9	3.5	2.0	3.9	3.4	2.6	7.2	-3.3	0.5	1.7	2.9	2.8	2.6	1.7	1.2	-5.2	-6.7
Jun	1.4	-1.4	-0.9	-0.3	-1.3	0.9	0.5	1.8	1.7	2.9	2.1	2.1	7.4	-3.1	0.5	1.6	2.1	2.5	2.7	2.0	0.2	-5.6	-7.7
Jul	1.3	-1.1	-0.7	-1.6	-1.1	2.3	0.0	1.2	1.6	2.0	1.6	1.8	7.7	-2.7	0.6	1.5	2.2	2.0	3.0	2.1	-0.2	-5.1	-8.2
Aug	1.1	-1.0	-1.3	-4.2	-1.4	0.5	-0.5	1.1	1.5	1.8	1.2	1.7	6.9	-2.3	0.6	1.4	1.7	1.5	3.2	2.2	0.1	-4.3	-8.3
Sep	1.0	-1.3	-1.4	-5.3	-1.4	-1.0	0.1	1.2	1.4	1.9	1.0	1.2	6.1	-2.2	0.8	0.9	2.0	1.3	3.1	2.2	-0.4	-3.1	-7.9

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 Sep	0.3	0.2	1.1	3.7	1.1	0.3	1.2	-0.4	0.2	0.2	0.3	-1.0	0.8	-0.3	-0.2	0.9	0.8	0.1	0.1	0.0	-0.2	-0.5	0.5
Oct	-0.1	-0.9	0.3	1.4	0.6	-2.3	0.5	-1.6	0.0	-0.1	0.5	0.5	0.2	-0.6	0.3	-0.5	0.6	0.1	-0.2	-0.7	1.1	-0.8	-3.6
Nov	0.3	-0.3	0.0	1.1	-0.2	1.6	-0.4	2.1	0.2	0.3	-0.5	0.5	-0.1	0.2	0.2	1.0	0.8	0.2	0.0	0.3	-0.6	-0.6	-0.2
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	-2.0	-0.3	19.2	-0.4	-5.4	-2.5	-3.1	0.4	0.5	-0.1	-0.2	-1.6	1.1	0.9	0.8	0.3	-0.2	-0.1	1.2	0.0	2.2	7.1
Feb	-0.3	-0.8	0.0	-1.9	-0.7	6.1	0.8	-1.2	-0.3	0.5	-0.8	-1.1	-0.9	0.4	0.1	-1.2	-1.6	-0.1	0.1	0.0	-1.1	-1.3	0.9
Mar	0.1	-0.4	-0.3	-3.1	-0.4	2.1	-0.6	-1.8	0.3	-0.8	-0.5	1.1	1.8	-0.2	0.1	0.9	0.7	0.0	0.2	0.0	0.6	1.8	2.9
Apr	0.3	-0.2	-0.5	9.1	-0.6	-4.1	-0.8	1.3	0.4	1.1	0.9	0.9	0.4	0.0	0.1	1.0	0.7	0.1	0.3	-0.1	0.7	-0.3	0.2
May	0.3	-0.2	-0.5	-1.4	0.3	-7.2	0.7	1.2	0.4	1.8	1.2	0.7	0.3	-0.1	0.1	0.0	-0.1	0.3	0.1	-0.1	0.6	-0.1	-0.6
Jun	0.4	-0.3	1.0	-0.5	0.8	1.5	2.6	0.9	0.3	-0.2	0.6	0.9	0.8	-0.1	0.0	0.0	1.6	0.5	0.0	0.1	0.9	0.4	-0.9
Jul	0.2	-0.3	0.2	4.8	-0.5	3.5	0.3	0.0	0.2	1.1	0.3	0.2	-0.2	0.0	0.0	1.2	-0.6	0.5	-0.1	0.2	-0.9	-0.8	0.4
Aug	0.1	0.1	0.0	0.8	0.1	0.0	-0.5	-0.2	0.1	-0.1	0.3	-1.0	1.9	-0.1	-0.1	0.0	-0.4	0.3	0.0	0.3	0.7	0.0	0.9
Sep	0.0	0.6	-0.6	-3.2	-0.2	-2.3	-0.9	1.1	0.0	-0.7	-0.3	-0.1	1.3	-0.1	0.0	0.6	-0.2	-0.1	0.3	0.3	-0.2	-1.4	1.1
Oct	0.2	0.6	0.0	2.4	-0.5	2.4	-0.6	0.3	0.3	0.6	1.3	1.3	-1.4	-0.3	0.2	0.8	1.5	-0.2	0.5	0.2	-0.3	-0.2	0.2
Nov	0.2	0.1	-0.1	-2.8	0.3	-0.8	-0.7	-0.2	0.3	1.1	0.3	1.0	0.9	-0.6	-0.1	0.4	0.5	0.0	0.5	0.1	-0.5	-1.3	-0.2
Dec	-0.3	-1.0	-0.6	-0.9	-0.6	-1.3	0.2	-1.8	-0.1	-1.3	0.1	0.3	1.5	-0.5	0.1	-0.7	-1.1	0.3	0.4	0.1	1.6	-1.1	-1.3
2019 Jan	0.5	-0.4	1.0	-1.7	1.4	1.7	-1.0	2.0	0.3	1.3	-0.1	0.0	1.0	-0.5	0.1	-1.0	1.3	0.6	0.2	0.1	-0.2	0.3	-1.3
Feb	0.3	-0.6	0.3	2.9	0.7	-4.6	0.5	2.0	0.2	0.2	-0.1	-0.2	0.2	-0.6	0.1	0.8	0.6	0.5	0.2	0.1	0.2	-0.2	-2.0
Mar	0.0	-0.1	0.9	1.3	1.1	-0.7	0.7	-1.2	0.0	0.3	0.0	-0.3	-0.1	-0.3	0.1	-0.3	-0.5	0.3	0.2	0.1	0.5	-0.1	-2.4
Apr	-0.5	-0.2	-3.2	-3.4	-4.3	3.4	-0.6	-0.7	0.0	-0.1	-0.1	-0.4	1.0	-0.4	0.1	-0.4	-0.2	0.0	0.2	0.1	-1.3	-1.0	-0.7
May	0.2	0.1	1.1	1.1	1.0	1.0	1.7	0.1	0.1	0.0	-0.4	0.1	0.3	0.2	0.0	0.6	-0.1	0.2	0.2	0.2	-1.1	-0.1	-1.8
Jun	0.1	0.0	0.1	-0.2	-0.3	2.6	0.2	-1.1	0.2	-0.4	-0.5	2.0	0.9	0.5	-0.1	1.0	-0.8	-0.1	0.2	0.2	1.7	0.0	-1.8
Jul	0.3	-0.1	0.1	-1.8	0.5	-1.9	0.3	1.3	0.3	0.4	1.5	-0.8	0.6	0.2	0.0	-0.1	1.4	0.0	0.2	0.2	-1.2	1.1	0.8
Aug	-0.2	-0.1	-0.7	-1.1	-0.7	-1.1	0.2	0.1	-0.1	0.3	-1.0	-1.2	-1.1	0.3	0.1	0.2	-1.3	0.0	0.1	0.3	1.5	1.0	1.4
Sep	-0.1	-0.2	-0.3	1.8	-0.4	-0.5	0.1	-0.2	0.0	-0.3	-0.6	-0.4	1.4	-0.3	0.1	0.0	-0.5	0.1	-0.1	0.2	-2.2	-0.5	1.3

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

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	Transport and storage	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	Education	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	
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 Sep	1.8	7.3	2.7	4.9	3.0	0.2	1.8	5.9	1.3	2.3	1.4	0.0	3.8	-3.8	-1.4	5.4	3.5	1.1	1.8	1.0	4.7	2.6	1.6
Oct	1.8	6.0	4.1	15.9	4.9	-4.4	1.6	4.3	1.1	1.5	1.7	1.4	4.0	-3.9	-1.6	4.4	5.0	1.1	1.5	0.2	7.1	2.5	0.1
Nov	1.7	4.8	2.4	7.0	3.7	-5.5	-0.1	6.0	1.2	1.6	2.1	1.2	4.3	-2.9	-1.7	4.8	5.3	1.0	0.8	0.2	3.7	0.9	1.6
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	-2.0	0.3	1.4	1.7	-5.7	-4.7	0.2	1.7	2.0	0.2	0.9	5.2	-0.5	0.5	3.9	5.0	0.5	-0.5	1.3	1.2	2.5	12.9
Feb	1.3	-3.6	1.3	2.4	1.6	3.3	-4.0	-0.4	1.5	2.1	-1.2	-1.7	4.0	-0.1	1.0	4.1	3.6	0.3	-0.6	1.2	0.6	3.0	12.0
Mar	1.2	-4.2	1.6	-2.2	1.7	9.9	-5.5	-3.0	1.5	0.9	-1.9	0.3	5.1	-0.5	1.4	4.5	2.9	0.1	-0.2	1.0	-0.1	2.9	13.0
Apr	1.5	-4.0	0.9	7.8	0.8	1.8	-2.1	-2.1	1.9	1.9	-0.3	0.0	3.8	-0.5	1.5	6.0	6.9	-0.3	0.1	0.6	0.1	1.0	11.3
May	1.6	-4.2	0.1	5.3	1.1	-8.0	-1.2	-0.4	2.1	4.3	0.8	1.2	4.0	-0.3	1.5	4.7	3.8	-0.1	0.4	0.4	1.8	0.4	9.6
Jun	1.8	-4.6	0.9	0.7	1.7	-5.2	1.9	0.5	2.1	3.1	2.5	3.4	2.5	-0.1	1.6	4.2	5.1	0.5	0.4	0.6	4.2	2.0	6.7
Jul	2.1	-5.1	1.0	7.6	1.0	-2.0	0.5	0.9	2.5	4.6	2.2	1.2	3.9	-0.1	1.6	5.2	4.3	1.4	0.4	1.0	2.8	1.7	5.8
Aug	1.9	-5.3	0.9	9.9	0.7	-2.3	1.1	-0.6	2.4	3.9	2.2	2.0	5.1	0.2	1.4	4.5	3.5	1.8	0.4	1.4	2.7	-0.7	8.2
Sep	1.7	-5.0	-0.9	2.6	-0.6	-4.8	-0.9	0.9	2.3	3.0	1.6	3.0	5.6	0.4	1.6	4.1	2.4	1.6	0.6	1.7	2.8	-1.6	8.8
Oct	2.1	-3.5	-1.3	3.7	-1.6	-0.2	-2.0	2.8	2.6	3.7	2.5	3.8	4.0	0.7	1.5	5.5	3.3	1.3	1.3	2.6	1.3	-1.0	13.1
Nov	2.0	-3.2	-1.4	-0.3	-1.1	-2.6	-2.3	0.5	2.7	4.5	3.3	4.2	5.0	-0.1	1.2	4.8	3.0	1.1	1.8	2.5	1.4	-1.7	13.1
Dec	1.3	-3.7	-1.7	22.4	-2.4	-6.1	-2.1	-3.7	2.3	3.7	3.4	4.1	5.0	-0.7	1.3	3.8	1.1	1.3	2.1	2.2	2.0	-2.2	10.9
2019 Jan	1.8	-2.1	-0.4	1.0	-0.6	0.9	-0.6	1.4	2.2	4.5	3.5	4.4	7.8	-2.2	0.5	1.9	2.2	2.2	2.5	1.2	1.9	-4.0	2.2
Feb	2.4	-2.0	-0.2	5.9	0.8	-9.3	-0.9	4.6	2.7	4.2	4.2	5.3	8.9	-3.2	0.5	3.9	4.5	2.7	2.6	1.3	3.3	-3.0	-0.7
Mar	2.4	-1.7	1.1	10.7	2.4	-11.8	0.4	5.3	2.4	5.4	4.7	3.9	6.9	-3.2	0.5	2.7	3.2	3.0	2.6	1.4	3.2	-4.8	-5.8
Apr	1.5	-1.7	-1.6	-2.0	-1.4	-5.0	0.7	3.2	1.9	4.1	3.7	2.5	7.5	-3.6	0.5	1.2	2.4	2.9	2.6	1.7	1.1	-5.4	-6.6
May	1.4	-1.4	0.0	0.4	-0.7	3.5	1.7	2.1	1.6	2.3	2.0	1.4	7.3	-3.1	0.6	1.3	3.1	2.6	2.7	2.0	-0.6	-5.4	-7.8
Jun	1.1	-1.1	-1.0	0.7	-1.8	4.5	-0.8	0.1	1.6	2.1	0.8	2.5	7.4	-2.6	0.5	2.3	0.7	2.0	2.9	2.1	0.1	-5.8	-8.6
Jul	1.2	-0.9	-1.1	-5.7	-0.9	-0.9	-0.8	1.4	1.6	1.5	2.0	1.4	8.3	-2.4	0.6	0.9	2.7	1.4	3.3	2.2	-0.2	-4.1	-8.3
Aug	1.0	-1.1	-1.8	-7.4	-1.6	-1.9	0.0	1.8	1.4	1.9	0.7	1.2	5.0	-2.0	0.8	1.1	1.8	1.2	3.3	2.2	0.5	-3.1	-7.8
Sep	0.9	-1.9	-1.4	-2.7	-1.8	-0.1	1.0	0.5	1.3	2.3	0.3	0.9	5.1	-2.2	0.9	0.5	1.6	1.4	2.8	2.1	-1.6	-2.1	-7.6

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)																							
	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	Transport and storage	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	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers, undifferentiated goods and services
Section	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 previous month ³																							
2017 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
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
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
2019 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
2019 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
2019 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	-0.1	-0.1	0.0	0.2	0.0	-0.5	-0.4	-0.5	0.0	0.0	0.5	-0.1	0.1	0.0	0.0	-0.6	0.1	-0.1	0.1	0.0	0.3	0.3	1.9
Aug	-0.1	0.0	-0.1	-0.1	0.0	-0.4	-0.1	-0.1	-0.1	0.1	-0.3	-0.2	-0.3	0.1	0.1	-0.6	-0.2	0.0	0.0	-0.1	0.2	0.0	1.6
Percentage change, latest month on same month a year ago ³																							
2017 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										

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 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

CONTRIB 1

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

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	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	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	Education	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

Contribution to growth, latest 3 months on previous 3 months

		EDMB	EDMC	EDMD	EDME	EDMF	EDMG	EDMH	EDMI	EDMJ	EDMK	EDML	EDMM	EDMN	EDMO	EDMP	EDMQ	EDMR	EDMS	EDMT	EDMU	EDMV	EDMW	EDMX
2017	Sep	0.37	0.00	0.12	0.01	0.10	0.00	0.01	0.01	0.24	0.06	0.01	0.00	0.05	-0.05	-0.02	0.14	0.10	-0.02	0.00	-0.03	-0.01	0.01	0.01
	Oct	0.42	0.00	0.16	0.01	0.15	-0.01	0.01	0.01	0.24	0.08	0.03	-0.03	0.07	-0.07	0.00	0.11	0.07	-0.01	0.00	-0.04	0.01	0.02	0.00
	Nov	0.45	0.00	0.21	0.02	0.18	-0.01	0.02	0.00	0.25	0.05	0.03	-0.03	0.06	-0.07	0.01	0.11	0.09	0.00	0.00	-0.04	0.02	0.00	-0.01
	Dec	0.47	-0.01	0.14	-0.02	0.16	0.00	0.01	0.05	0.28	0.03	0.02	-0.01	0.10	-0.06	0.04	0.09	0.11	0.01	-0.01	-0.03	0.02	-0.02	-0.01
2018	Jan	0.56	-0.01	0.05	-0.04	0.09	0.00	-0.01	0.09	0.43	0.02	0.00	0.02	0.05	0.01	0.08	0.11	0.11	0.01	-0.01	0.03	0.01	-0.02	0.00
	Feb	0.42	-0.02	-0.04	-0.07	0.02	0.01	-0.02	0.05	0.43	0.02	-0.02	0.01	0.07	0.12	0.08	0.06	0.00	-0.01	0.08	0.01	0.00	0.01	0.01
	Mar	0.18	-0.02	-0.07	0.01	-0.07	0.02	-0.03	-0.14	0.41	0.03	-0.04	0.00	-0.04	0.10	0.15	0.06	0.01	-0.01	0.00	0.11	0.00	0.02	0.03
	Apr	-0.03	-0.02	-0.09	0.02	-0.13	0.04	-0.02	-0.20	0.29	0.05	-0.04	0.00	-0.01	0.07	0.11	0.03	-0.03	-0.01	0.02	0.06	0.00	0.02	0.02
	May	0.19	-0.01	-0.12	0.05	-0.13	-0.01	-0.02	-0.15	0.48	0.11	0.00	0.03	0.07	0.02	0.08	0.07	0.01	0.00	0.03	0.02	0.01	0.02	0.02
	Jun	0.61	-0.01	-0.10	0.04	-0.06	-0.07	0.00	0.04	0.67	0.20	0.05	0.06	0.12	-0.01	0.03	0.09	0.05	0.02	0.03	-0.01	0.02	0.01	0.01
	Jul	0.89	-0.01	-0.03	0.04	0.02	-0.10	0.02	0.12	0.80	0.27	0.09	0.07	0.11	-0.02	0.02	0.10	0.07	0.04	0.02	-0.01	0.03	0.00	0.00
	Aug	0.89	0.00	0.09	0.04	0.06	-0.04	0.03	0.12	0.69	0.22	0.08	0.04	0.12	-0.02	0.00	0.09	0.06	0.06	0.01	0.01	0.02	0.00	0.00
	Sep	0.66	0.00	0.07	0.03	0.01	0.02	0.02	0.07	0.52	0.13	0.05	0.01	0.15	-0.02	-0.01	0.11	0.00	0.05	0.00	0.04	0.01	-0.02	0.00
	Oct	0.48	0.00	0.01	0.02	-0.03	0.03	0.00	0.05	0.41	0.03	0.04	0.00	0.18	-0.03	-0.01	0.11	0.00	0.03	0.02	0.05	0.00	-0.02	0.01
	Nov	0.40	0.01	-0.08	0.00	-0.05	0.00	-0.02	0.06	0.41	0.04	0.04	0.01	0.14	-0.04	0.00	0.13	0.02	0.00	0.04	0.05	-0.01	-0.04	0.01
	Dec	0.33	0.00	-0.09	-0.01	-0.06	0.00	-0.02	0.01	0.41	0.05	0.06	0.05	0.09	-0.07	0.02	0.10	0.06	0.00	0.06	0.05	0.00	-0.04	0.00
2019	Jan	0.34	0.00	-0.05	-0.03	0.00	0.00	-0.02	-0.01	0.40	0.09	0.05	0.06	0.12	-0.09	0.02	0.02	0.06	0.01	0.07	0.04	0.00	-0.04	0.00
	Feb	0.34	-0.01	0.01	-0.02	0.06	-0.02	-0.01	0.01	0.32	0.06	0.03	0.04	0.17	-0.10	0.03	-0.05	0.04	0.04	0.06	0.03	0.02	-0.03	-0.01
	Mar	0.55	-0.01	0.15	-0.01	0.19	-0.04	-0.01	0.10	0.32	0.11	0.00	0.01	0.17	-0.10	0.03	-0.08	0.05	0.06	0.05	0.03	0.02	-0.02	-0.01
	Apr	0.36	-0.01	0.04	0.01	0.07	-0.05	0.00	0.10	0.23	0.09	-0.01	-0.01	0.12	-0.10	0.04	-0.04	0.04	0.06	0.04	0.03	0.01	-0.01	-0.01
	May	0.13	0.00	-0.05	0.01	-0.05	-0.01	0.01	0.02	0.16	0.09	-0.01	-0.02	0.08	-0.07	0.04	-0.04	0.02	0.04	0.04	0.03	-0.01	-0.01	-0.02
	Jun	-0.20	0.00	-0.24	-0.01	-0.27	0.04	0.01	-0.07	0.12	0.01	-0.02	-0.01	0.10	-0.03	0.04	0.00	-0.01	0.02	0.04	0.04	-0.02	-0.02	-0.01
	Jul	0.08	0.00	-0.09	-0.01	-0.15	0.06	0.02	-0.07	0.24	0.00	-0.01	0.01	0.11	0.02	0.03	0.02	0.01	0.00	0.04	0.04	-0.02	-0.01	-0.01
	Aug	0.25	0.00	-0.06	-0.02	-0.10	0.04	0.02	-0.02	0.33	0.00	-0.01	0.02	0.10	0.05	0.01	0.07	0.00	-0.01	0.03	0.05	0.00	0.01	-0.01
	Sep	0.33	0.00	-0.01	-0.02	0.00	-0.01	0.01	0.04	0.30	0.03	0.00	-0.01	0.07	0.04	0.02	0.05	0.00	0.00	0.03	0.05	-0.01	0.02	0.00

Contribution to growth, latest 3 months on same 3 months a year ago

		EDMY	EDMZ	EDNA	EDNB	EDNC	EDND	EDNE	EDNF	EDNG	EDNH	EDNI	EDNJ	EDNK	EDNL	EDNM	EDNN	EDNO	EDNP	EDNQ	EDNR	EDNS	EDNT	EDNU
2017	Sep	1.91	0.05	0.27	0.00	0.26	-0.01	0.02	0.36	1.23	0.31	0.07	0.07	0.28	-0.24	-0.15	0.37	0.22	0.05	0.09	0.08	0.05	0.03	0.00
	Oct	1.85	0.05	0.38	0.04	0.35	-0.02	0.02	0.34	1.08	0.25	0.07	0.03	0.28	-0.29	-0.18	0.37	0.23	0.05	0.09	0.06	0.09	0.04	0.00
	Nov	1.74	0.04	0.41	0.06	0.39	-0.05	0.01	0.33	0.96	0.19	0.07	0.02	0.27	-0.26	-0.22	0.37	0.23	0.05	0.08	0.03	0.08	0.03	0.00
	Dec	1.64	0.03	0.31	0.02	0.33	-0.05	0.01	0.33	0.97	0.13	0.08	0.04	0.30	-0.21	-0.21	0.35	0.27	0.05	0.05	0.02	0.07	0.02	0.00
2018	Jan	1.52	0.01	0.14	-0.01	0.23	-0.05	-0.02	0.24	1.13	0.14	0.06	0.04	0.33	-0.13	-0.11	0.33	0.27	0.04	0.02	0.05	0.04	0.02	0.02
	Feb	1.39	-0.01	0.09	-0.03	0.16	-0.01	-0.04	0.11	1.19	0.16	0.02	0.01	0.32	-0.06	0.01	0.31	0.25	0.03	-0.01	0.08	0.03	0.03	0.03
	Mar	1.27	-0.02	0.14	0.00	0.17	0.03	-0.06	-0.07	1.23	0.17	-0.04	0.00	0.32	-0.03	0.13	0.31	0.20	0.02	-0.03	0.09	0.01	0.05	0.03
	Apr	1.30	-0.03	0.17	0.02	0.14	0.07	-0.05	-0.11	1.27	0.17	-0.05	-0.01	0.29	-0.03	0.17	0.36	0.23	0.00	-0.01	0.07	0.00	0.04	0.03
	May	1.40	-0.03	0.12	0.03	0.12	0.01	-0.04	-0.11	1.43	0.25	-0.02	0.01	0.29	-0.03	0.20	0.38	0.23	0.00	0.01	0.05	0.01	0.02	0.03
	Jun	1.63	-0.03	0.09	0.03	0.12	-0.05	-0.01	-0.04	1.62	0.32	0.04	0.04	0.23	-0.02	0.21	0.37	0.27	0.00	0.02	0.04	0.03	0.02	0.03
	Jul	1.85	-0.03	0.09	0.03	0.13	-0.07	0.01	0.02	1.77	0.42	0.08	0.05	0.24	-0.01	0.22	0.35	0.23	0.03	0.02	0.05	0.05	0.02	0.02
	Aug	1.97	-0.04	0.13	0.05	0.11	-0.04	0.02	0.02	1.86	0.40	0.10	0.06	0.26	0.00	0.21	0.35	0.22	0.06	0.02	0.08	0.05	0.02	0.02
	Sep	1.93	-0.04	0.04	0.05	0.04	-0.04	0.00	0.02	1.90	0.40	0.08	0.06	0.34	0.01	0.21	0.35	0.17	0.08	0.02	0.11	0.05	0.00	0.02
	Oct	1.91	-0.03	-0.06	0.04	-0.05	-0.03	-0.01	0.06	1.94	0.37	0.09	0.08	0.34	0.03	0.20	0.36	0.16	0.07	0.04	0.14	0.04	-0.02	0.03
	Nov	1.91	-0.03	-0.16	0.02	-0.11	-0.04	-0.02	0.08	2.02	0.39	0.10	0.10	0.34	0.02	0.19	0.37	0.15	0.06	0.07	0.17	0.03	-0.02	0.03
	Dec	1.79	-0.03	-0.20	0.06	-0.17	-0.04	-0.03	-0.01	2.03	0.41	0.13	0.11	0.32	0.00	0.18	0.36	0.13	0.06	0.10	0.18	0.03	-0.03	0.03
2019	Jan	1.69	-0.02	-0.16	0.06	-0.14	-0.04	-0.02	-0.04	1.91	0.44	0.14	0.12	0.41	-0.07	0.13	0.27	0.11	0.07	0.12	0.15	0.03	-0.04	0.02
	Feb	1.83	-0.02	-0.11	0.08	-0.07	-0.07	-0.01	0.04	1.90	0.43	0.15	0.13	0.50	-0.15	0.10	0.24	0.14	0.10	0.14	0.12	0.04	-0.05	0.01
	Mar	2.17	-0.01	0.02	0.05	0.09	-0.11	0.00	0.23	1.93	0.49	0.17	0.12	0.54	-0.21	0.06	0.22	0.18	0.13	0.15	0.10	0.04	-0.06	0.00
	Apr	2.08	-0.01	-0.03	0.04	0.06	-0.14	0.00	0.26	1.86	0.48	0.17	0.11	0.54	-0.24	0.06	0.20	0.18	0.14	0.15	0.11	0.04	-0.07	-0.01
	May	1.76	-0.01	-0.03	0.03	0.01	-0.07	0.01	0.21	1.58	0.41	0.14	0.07	0.50	-0.24	0.07	0.13	0.15	0.14	0.15	0.13	0.02	-0.09	-0.02
	Jun	1.35	-0.01	-0.12	0.00	-0.13	0.01	0.01	0.11	1.37	0.30	0.09	0.06	0.52	-0.22	0.07	0.12	0.11	0.12	0.16	0.15	0.00	-0.09	-0.02
	Jul	1.26	-0.01	-0.09	-0.01	-0.11	0.03	0.00	0.07	1.29	0.21	0.07	0.05	0.53	-0.19	0.08	0.12	0.12	0.10	0.17	0.16	0.00	-0.08	-0.02
	Aug	1.11	-0.01	-0.17	-0.04	-0.14	0.01	-0.01	0.07	1.22	0.19	0.05	0.05	0.48	-0.17	0.08	0.11	0.09	0.07	0.18	0.16	0.00	-0.07	-0.02
	Sep	1.02	-0.01	-0.20	-0.05	-0.14	-0.01	0.00	0.07	1.15	0.20	0.04	0.03	0.43	-0.16	0.10	0.07	0.11	0.07	0.18	0.16	-0.01	-0.05	-0.02

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

		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	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	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	Education	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	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

Contribution to growth, latest month on previous month

		EDKH	EDKI	EDKJ	EDKK	EDKL	EDKM	EDKN	EDKO	EDKP	EDKQ	EDKR	EDKS	EDKT	EDKU	EDKV	EDKW	EDKX	EDKY	EDKZ	EDLA	EDLB	EDLC	EDLD
2017	Sep	0.26	0.00	0.15	0.02	0.11	0.00	0.02	-0.02	0.12	0.02	0.01	-0.03	0.06	-0.02	-0.03	0.07	0.04	0.01	0.01	0.00	0.00	-0.01	0.00
	Oct	-0.11	-0.01	0.04	0.01	0.06	-0.03	0.01	-0.10	-0.04	-0.01	0.02	0.01	0.01	-0.04	0.04	-0.04	0.03	0.00	-0.01	-0.05	0.02	-0.01	-0.01
	Nov	0.31	0.00	0.00	0.01	-0.02	0.02	0.00	0.13	0.18	0.03	-0.02	0.02	0.00	0.01	0.02	0.08	0.04	0.01	0.00	0.02	-0.01	-0.01	0.00
	Dec	0.32	0.00	-0.03	-0.13	0.07	0.03	0.00	0.15	0.19	-0.05	0.00	0.01	0.10	0.01	0.01	0.03	0.04	0.00	0.00	0.03	0.02	-0.01	0.00
2018	Jan	0.06	-0.01	-0.05	0.12	-0.04	-0.08	-0.03	-0.19	0.32	0.05	-0.01	-0.01	-0.11	0.08	0.12	0.06	0.01	-0.01	-0.01	0.09	0.00	0.04	0.02
	Feb	-0.32	-0.01	0.01	-0.01	-0.07	0.08	0.01	-0.07	-0.25	0.05	-0.03	-0.03	-0.06	0.03	0.02	-0.09	-0.09	0.00	0.01	0.00	-0.02	-0.02	0.00
	Mar	0.05	0.00	-0.04	-0.02	-0.04	0.03	-0.01	-0.11	0.12	-0.08	-0.02	0.03	0.12	-0.02	0.02	0.07	0.04	0.00	0.01	0.00	0.01	0.03	0.01
	Apr	0.35	0.00	-0.07	0.07	-0.06	-0.06	-0.01	0.08	0.34	0.11	0.04	0.03	0.03	0.00	0.01	0.08	0.03	0.01	0.01	-0.01	0.01	0.00	0.00
2019	May	0.30	0.00	-0.07	-0.01	0.03	-0.10	0.01	0.07	0.30	0.19	0.05	0.02	0.02	-0.01	0.01	0.00	-0.01	0.01	0.01	-0.01	0.01	0.00	0.00
	Jun	0.40	0.00	0.13	0.00	0.08	0.02	0.03	0.05	0.21	-0.02	0.03	0.03	0.06	-0.01	-0.01	0.00	0.09	0.02	0.00	0.01	0.02	0.01	0.00
	Jul	0.22	0.00	0.03	0.04	-0.05	0.05	0.00	0.00	0.19	0.11	0.01	0.01	-0.01	0.00	0.00	0.10	-0.03	0.02	0.00	0.01	-0.01	-0.01	0.00
	Aug	0.10	0.00	0.01	0.01	0.01	0.00	-0.01	-0.02	0.11	-0.01	0.01	-0.03	0.13	-0.01	-0.02	0.00	-0.02	0.01	0.00	0.02	0.01	0.00	0.00
2017	Sep	0.02	0.00	-0.09	-0.03	-0.02	-0.03	-0.01	0.06	0.04	-0.07	-0.01	0.00	0.09	-0.01	0.00	0.05	-0.01	0.00	0.02	0.02	0.00	-0.02	0.00
	Oct	0.25	0.00	-0.01	0.02	-0.05	0.03	-0.01	0.02	0.23	0.07	0.05	0.04	-0.10	-0.02	0.03	0.06	0.08	-0.01	0.03	0.01	-0.01	0.00	0.00
	Nov	0.20	0.00	-0.01	-0.02	0.03	-0.01	-0.01	-0.01	0.23	0.12	0.01	0.03	0.06	-0.04	-0.01	0.03	0.03	0.00	0.03	0.01	-0.01	-0.02	0.00
	Dec	-0.29	-0.01	-0.08	-0.01	-0.06	-0.02	0.00	-0.11	-0.10	-0.14	0.01	0.01	0.10	-0.03	0.02	-0.05	-0.06	0.02	0.02	0.01	0.03	-0.02	0.00
2018	Jan	0.48	0.00	0.14	-0.02	0.13	0.02	-0.01	0.12	0.23	0.14	0.00	0.00	0.07	-0.03	0.01	-0.08	0.07	0.03	0.01	0.01	0.00	0.00	0.00
	Feb	0.28	0.00	0.04	0.03	0.07	-0.07	0.01	0.12	0.12	0.02	0.00	-0.01	0.01	-0.04	0.01	0.06	0.03	0.02	0.01	0.01	0.00	0.00	-0.01
	Mar	0.04	0.00	0.12	0.01	0.11	-0.01	0.01	-0.08	0.00	0.03	0.00	-0.01	0.00	-0.02	0.02	-0.03	-0.03	0.01	0.01	0.01	0.01	0.00	-0.01
	Apr	-0.49	0.00	-0.43	-0.03	-0.43	0.05	-0.01	-0.04	-0.02	-0.01	0.00	-0.01	0.07	-0.03	0.01	-0.03	-0.01	0.00	0.01	0.01	-0.02	-0.01	0.00
2019	May	0.21	0.00	0.14	0.01	0.10	0.01	0.02	0.01	0.06	0.01	-0.02	-0.01	0.01	0.02	0.03	0.00	0.03	0.00	0.01	0.01	-0.02	0.00	-0.01
	Jun	0.11	0.00	0.01	0.00	-0.03	0.04	0.00	-0.06	0.01	-0.04	-0.02	0.06	0.07	0.03	-0.01	0.08	-0.04	0.00	0.01	0.02	0.03	0.00	0.00
	Jul	0.32	0.00	0.01	-0.02	0.04	-0.03	0.00	0.08	0.23	0.04	0.06	-0.02	0.05	0.01	0.00	-0.01	0.08	0.00	0.01	0.01	-0.02	0.02	0.00
	Aug	-0.16	0.00	-0.09	-0.01	-0.07	-0.02	0.00	0.01	-0.08	0.04	-0.04	-0.03	-0.08	0.02	0.01	0.01	-0.07	0.00	0.00	0.02	0.02	0.02	0.00
2017	Sep	-0.07	0.00	-0.04	0.02	-0.04	-0.01	0.00	-0.02	-0.01	-0.03	-0.03	-0.01	0.10	-0.02	0.02	0.00	-0.02	0.01	-0.01	0.02	-0.04	-0.01	0.00

Contribution to growth, latest month on same month a year ago

		EDLE	EDLF	EDLG	EDLH	EDLI	EDLJ	EDLK	EDLL	EDLM	EDLN	EDLO	EDLP	EDLQ	EDLR	EDLS	EDLT	EDLU	EDLV	EDLW	EDLX	EDLY	EDLZ	EDMA
2017	Sep	1.79	0.05	0.36	0.03	0.30	0.00	0.02	0.36	1.02	0.24	0.06	0.00	0.25	-0.28	-0.19	0.41	0.18	0.05	0.10	0.08	0.07	0.04	0.00
	Oct	1.76	0.04	0.55	0.09	0.49	-0.07	0.02	0.26	0.91	0.16	0.07	0.04	0.27	-0.28	-0.23	0.33	0.25	0.06	0.08	0.01	0.11	0.04	0.00
	Nov	1.67	0.03	0.33	0.05	0.38	-0.08	0.00	0.37	0.95	0.17	0.09	0.04	0.29	-0.21	-0.24	0.37	0.27	0.05	0.05	0.01	0.06	0.01	0.00
	Dec	1.50	0.02	0.07	-0.09	0.14	0.01	0.00	0.37	1.06	0.06	0.09	0.05	0.34	-0.14	-0.16	0.35	0.30	0.05	0.03	0.04	0.05	-0.01	0.01
2018	Jan	1.39	-0.01	0.04	0.01	0.17	-0.08	-0.06	0.01	1.36	0.20	0.01	0.02	0.34	-0.03	0.06	0.30	0.26	0.02	-0.03	0.10	0.02	0.04	0.03
	Feb	1.27	-0.03	0.17	0.02	0.16	0.05	-0.05	-0.03	1.16	0.22	-0.05	-0.05	0.26	-0.01	0.13	0.30	0.18	0.02	-0.04	0.09	0.01	0.05	0.03
	Mar	1.15	-0.03	0.22	-0.02	0.17	0.13	-0.07	-0.19	1.16	0.10	-0.08	0.01	0.34	-0.04	0.19	0.33	0.15	0.01	-0.01	0.07	0.00	0.05	0.04
	Apr	1.46	-0.03	0.13	0.06	0.08	0.03	-0.03	-0.13	1.50	0.20	-0.01	0.00	0.26	-0.04	0.20	0.45	0.35	-0.01	0.01	0.04	0.00	0.02	0.03
	May	1.60	-0.03	0.01	0.04	0.11	-0.11	-0.02	-0.02	1.64	0.44	0.03	0.03	0.27	-0.02	0.21	0.35	0.20	0.00	0.02	0.03	0.03	0.01	0.03
	Jun	1.83	-0.03	0.13	0.01	0.17	-0.07	0.02	0.03	1.71	0.32	0.10	0.09	0.17	-0.01	0.22	0.32	0.26	0.03	0.03	0.04	0.07	0.03	0.02
	Jul	2.12	-0.04	0.13	0.06	0.10	-0.03	0.01	0.06	1.97	0.48	0.09	0.03	0.27	-0.01	0.22	0.39	0.22	0.07	0.02	0.08	0.05	0.03	0.02
	Aug	1.95	-0.04	0.12	0.07	0.07	-0.03	0.01	-0.04	1.91	0.41	0.09	0.06	0.35	0.01	0.19	0.34	0.18	0.09	0.02	0.11	0.04	-0.01	0.02
	Sep	1.71	-0.04	-0.12	0.02	-0.06	-0.07	-0.01	0.05	1.82	0.31	0.07	0.08	0.39	0.03	0.21	0.32	0.12	0.08	0.03	0.13	0.05	-0.03	0.03
	Oct	2.07	-0.03	-0.17	0.03	-0.17	0.00	-0.03	0.17	2.10	0.38	0.10	0.10	0.28	0.05	0.20	0.42	0.17	0.06	0.07	0.20	0.02	-0.02	0.04
	Nov	1.96	-0.02	-0.18	0.00	-0.11	-0.04	-0.03	0.03	2.14	0.47	0.14	0.12	0.35	-0.01	0.17	0.37	0.16	0.05	0.10	0.18	0.02	-0.03	0.04
	Dec	1.34	-0.03	-0.23	0.14	-0.24	-0.09	-0.03	-0.23	1.85	0.38	0.14	0.11	0.35	-0.05	0.18	0.29	0.06	0.06	0.12	0.17	0.03	-0.04	0.03
2019	Jan	1.77	-0.02	-0.05	0.01	-0.06	0.01	-0.01	0.09	1.75	0.47	0.14	0.12	0.53	-0.16	0.07	0.15	0.12	0.10	0.14	0.09	0.03	-0.07	0.01
	Feb	2.38	-0.01	-0.02	0.05	0.08	-0.14	-0.01	0.28	2.12	0.44	0.17	0.15	0.61	-0.23	0.06	0.30	0.24	0.13	0.15	0.10	0.05	-0.05	0.00
	Mar	2.37	-0.01	0.15	0.09	0.24	-0.19	0.01	0.31	1.91	0.56	0.19	0.11	0.48	-0.23	0.06	0.21	0.17	0.15	0.15	0.11	0.05	-0.08	-0.02
	Apr	1.51	-0.01	-0.22	-0.02	-0.14	-0.08	0.01	0.19	1.54	0.44	0.15	0.07	0.52	-0.26	0.07	0.10	0.13	0.14	0.15	0.13	0.02	-0.09	-0.02
	May	1.42	-0.01	0.00	0.00	-0.07	0.05	0.02	0.12	1.30	0.25	0.08	0.04	0.51	-0.22	0.08	0.10	0.17	0.12	0.15	0.15	-0.01	-0.09	-0.02
	Jun	1.13	-0.01	-0.13	0.01	-0.18	0.06	-0.01	0.01	1.26	0.23	0.03	0.07	0.52	-0.18	0.07	0.18	0.04	0.10	0.17	0.16	0.00	-0.10	-0.03
	Jul	1.23	-0.01	-0.15	-0.05	-0.09	-0.01	-0.01	0.08	1.29	0.16	0.08	0.04	0.58	-0.17	0.08	0.07	0.15	0.07	0.19	0.16	0.00	-0.07	-0.02
	Aug	0.97	-0.01	-0.24	-0.07	-0.16	-0.03	0.00	0.11	1.10	0.20	0.03	0.03	0.36	-0.14	0.10	0.09	0.10	0.06	0.19	0.17	0.01	-0.05	-0.02
	Sep	0.87	-0.01	-0.19	-0.03	-0.18	0.00	0.01	0.03	1.05	0.24	0.01	0.03	0.37	-0.15	0.12	0.04	0.08	0.07	0.16	0.16	-0.03	-0.03	-0.02