

Statistical bulletin

GDP monthly estimate, UK: December 2018

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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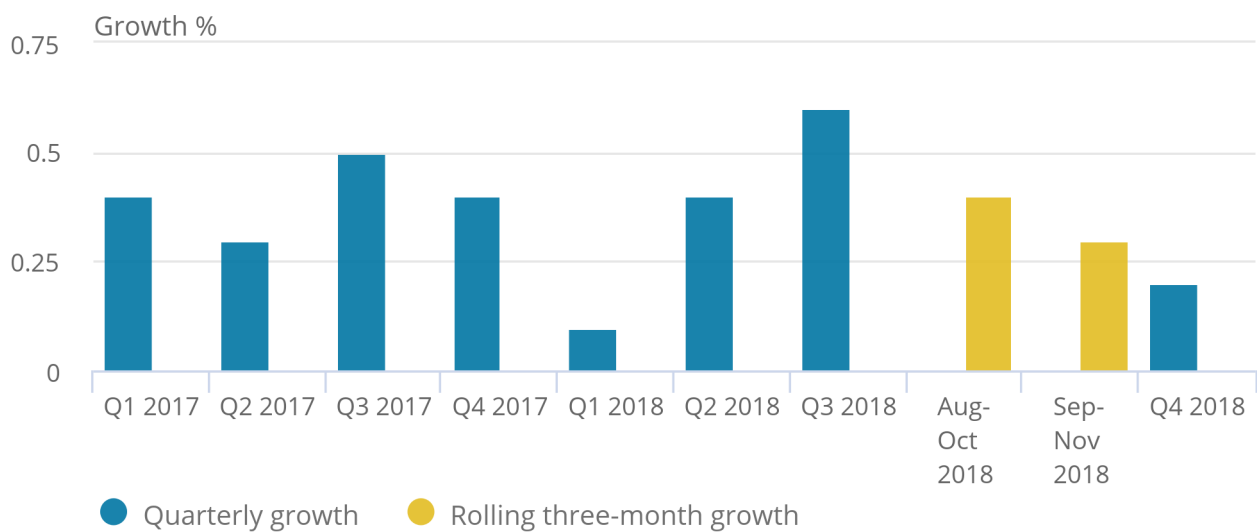
1 . UK gross domestic product (GDP) grew by 0.2% in Quarter 4 2018

Figure 1: Quarterly growth slowed after a strong Quarter 3

UK GDP growth, Quarter 1 (Jan to Mar) 2017 to Quarter 4 (Oct to Dec) 2018

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UK GDP growth, Quarter 1 (Jan to Mar) 2017 to Quarter 4 (Oct to Dec) 2018



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 October to December compared with the previous July to September.

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

“GDP slowed in the last three months of the year with the manufacturing of cars and steel products seeing steep falls and construction also declining. However, services continued to grow with the health sector, management consultants and IT all doing well.

“Declines were seen across the economy in December, but single month data can be volatile meaning quarterly figures often give a better indication of the health of the economy.

“The UK’s trade deficit widened slightly in the last three months of the year, while business investment again declined, now for the fourth quarter in a row.”

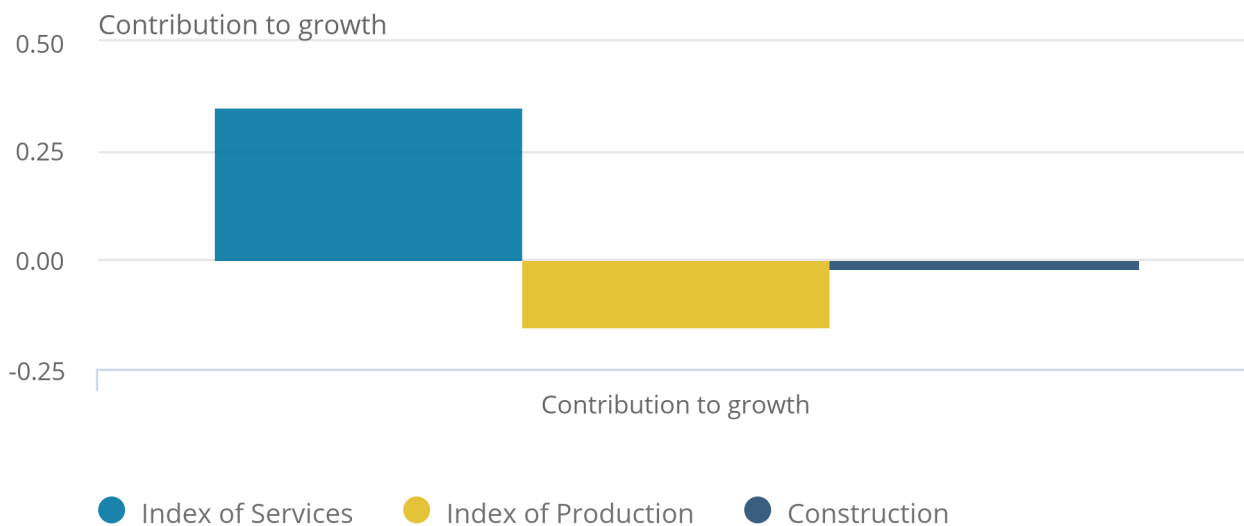
2 . A large positive contribution from the services sector was partially offset by smaller negative contributions from the production and construction sectors

Figure 2: The services sector was the only positive contributor of quarterly GDP growth, at 0.35 percentage points

Contribution to GDP growth, UK, Quarter 4 (Oct to Dec) 2018

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Contribution to GDP growth, UK, Quarter 4 (Oct to Dec) 2018



Source: Office for National Statistics - GDP monthly estimate

Growth in the services sector was 0.4% in Quarter 4 (Oct to Dec) 2018. Meanwhile, the production industries contracted by 1.1% and construction contracted by 0.3%. These growths mean that the services sector was the only positive contributor to gross domestic product (GDP) growth in Quarter 4, while the other two sectors had negative contributions (Figure 2).

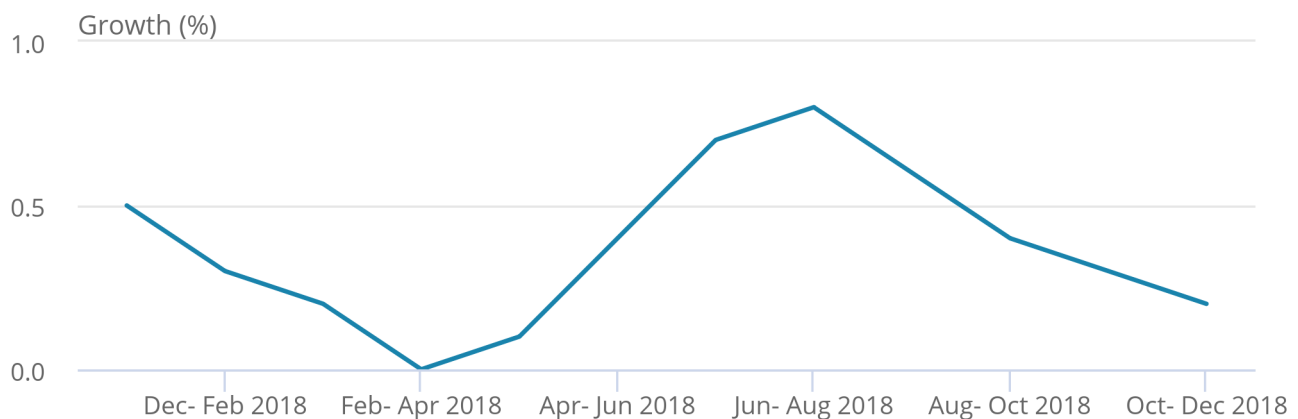
3 . Rolling three-month growth slowed further to 0.2%, after growth of 0.3% in November 2018

Figure 3: Rolling three-month growth was the lowest since May 2018

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

Figure 3: Rolling three-month growth was the lowest since May 2018

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



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 July to September.

Rolling three-month growth was 0.2% in December 2018, as the slowdown from a peak in August continued (Figure 3).

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

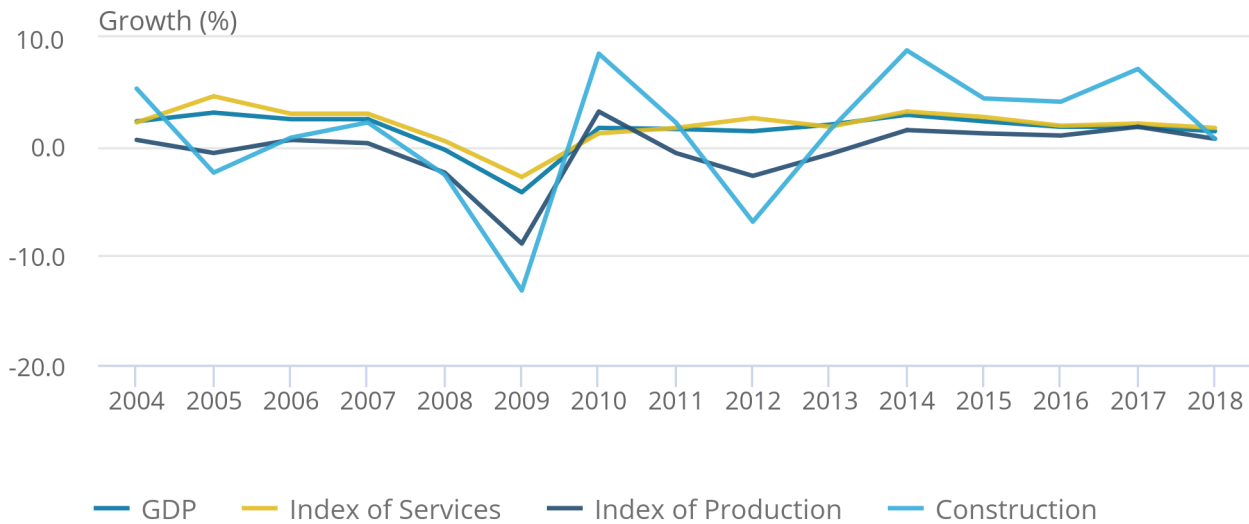
4 . Annual GDP growth was the lowest since 2012, at 1.4%

Figure 4: Headline GDP and all main sectors experienced a slowing in annual growth in 2018

Growth, year-on-year, UK, 2004 to 2018

Figure 4: Headline GDP and all main sectors experienced a slowing in annual growth in 2018

Growth, year-on-year, UK, 2004 to 2018



Source: Office for National Statistics – GDP monthly estimate

Notes:

1. Please note that this chart uses average GDP and therefore there may be discrepancies with the time series for output GDP.

Headline annual gross domestic product (GDP) growth was 1.4% in 2018, the lowest it has been in six years. Meanwhile, the services sector had annual growth of 1.7%, the lowest since 2011 and the production sector had annual growth of 0.7%, the lowest since 2013. Construction annual growth was 0.6%, the lowest since 2012 (Figure 4).

A better indicator of underlying growth in GDP is the quarter on same quarter a year ago growth rate, which is broadly in line with the annual growth rate at 1.3% in Quarter 4 (Oct to Dec) 2018.

5 . GDP fell by 0.4% in December 2018

Table 1: Breakdown of GDP growth rates by month

	October 2018	November 2018	December 2018	Quarter 4 2018
GDP	0.2%	0.2%	-0.4%	0.2%
Index of Services	0.3%	0.3%	-0.2%	0.4%
Index of Production	-0.3%	-0.3%	-0.5%	-1.1%
Manufacturing	-0.5%	-0.1%	-0.7%	-0.9%
Construction	-0.4%	0.1%	-2.8%	-0.3%
Agriculture	0.5%	0.5%	0.4%	1.1%

Source: Office for National Statistics - GDP monthly estimate

Month-on-month gross domestic product (GDP) growth was 0.2% in October and November 2018. However, monthly growth contracted by 0.4% in December 2018 (Table 1). The last time that services, production and construction all fell on the month was September 2012.

Monthly GDP estimates are much more volatile than quarterly GDP estimates, with almost one in every four months in the past 21 years showing negative GDP growth (for more information see [A guide to interpreting monthly GDP](#)). Therefore, monthly estimates should be used alongside other measures such as the three-month growth rate when looking for an indicator of the longer-term trend of the economy. However, they are useful in highlighting one-off changes that can be masked by three-month growth rates.

6 . The services sector grew by 0.4% in Quarter 4 2018

Figure 5: Professional, scientific and technical activities have been a notable contributor to rolling three-month growth over the past year

Contribution to GDP growth, UK, November to January 2018 until October to December 2018

Figure 5: Professional, scientific and technical activities have been a notable contributor to rolling three-month growth over the past year

Contribution to GDP growth, UK, November to January 2018 until October to December 2018



Source: Office for National Statistics – GDP monthly estimate

The services sector grew by 0.4% in Quarter 4 (Oct to Dec) 2018, driven by widespread growth within professional, scientific and technical activities. Real estate activities, and human health and social work activities were also notable contributors.

Figure 5 looks at notable contributions to rolling three-month growth over the past year. Wholesale and retail trade grew strongly over the summer, while professional, scientific and technical activities has remained a strong contributor throughout 2018. Information and communication was previously strong, but saw a slight fall in the three months to December 2018.

Month-on-month growth in the services sector was negative 0.2%, which was driven primarily by wholesale and retail trade. Retail trade fell from a high November (see [Retail sales bulletin](#)), while wholesale trade was affected by falling oil prices. Accommodation and food also had a negative contribution, along with administrative and support services and other service activities.

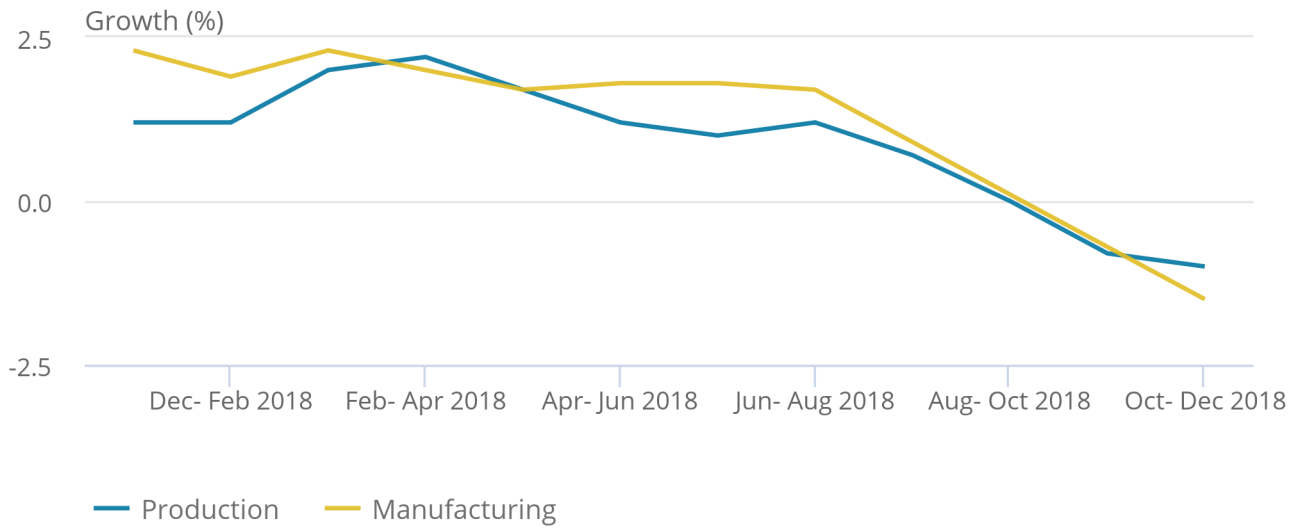
7 . Production growth fell by 1.1% in Quarter 4 2018

Figure 6: A longer-term measure of growth shows production and manufacturing contracting

Growth, three-months on three-months a year earlier, UK, November to January 2018 until October to December 2018

Figure 6: A longer-term measure of growth shows production and manufacturing contracting

Growth, three-months on three-months a year earlier, UK, November to January 2018 until October to December 2018



Source: Office for National Statistics – GDP monthly estimate

Growth in the production sector fell by 1.1% in Quarter 4 (Oct to Dec) 2018, as all four sub-sectors contracted. The last time all production sub-sectors contracted was Quarter 1 (Jan to Mar) 2009. It was the second consecutive three-month fall for manufacturing, as contraction in 10 of its 13 sub-industries resulted in overall growth of negative 0.9% in manufacturing.

Production fell by 0.5% in the month of December 2018, also driven by manufacturing, which contracted by 0.7%. This is the sixth consecutive monthly fall for manufacturing, which last occurred between September 2008 and February 2009. Despite this, in Quarter 3 (July to Sept) 2018 we continued to see a small increase in growth in manufacturing output of 0.2%, in part due to a weaker base period in Quarter 2 (Apr to June) 2018.

As seen in Figure 6, a long-term measure of growth in production and manufacturing highlights the decline seen over the past year, which has worsened as the year has progressed.

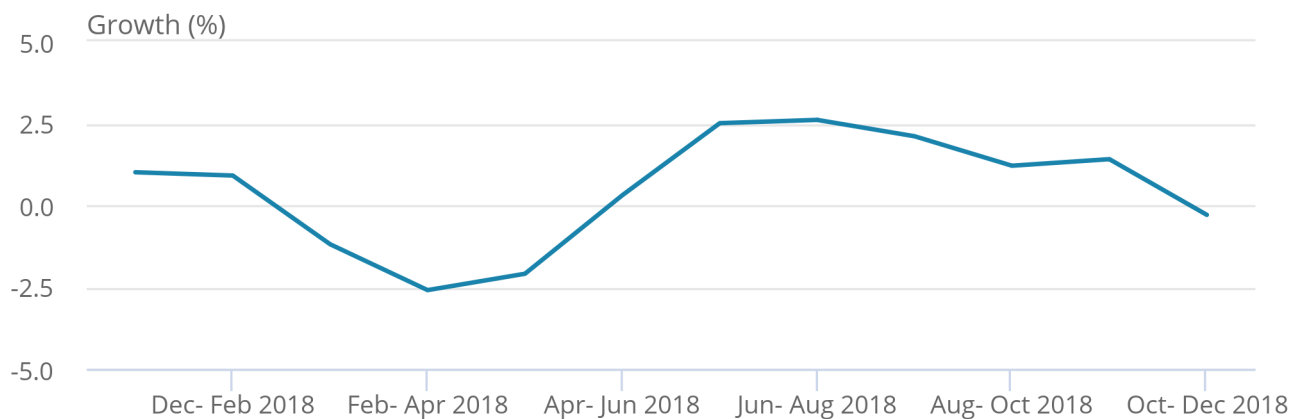
8 . Construction growth contracted in Quarter 4 2018, the first negative three-month growth since May 2018

Figure 7: Rolling three-month growth was negative 0.3% in December 2018, as growth faltered after several strong months

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

Figure 7: Rolling three-month growth was negative 0.3% in December 2018, as growth faltered after several strong months

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



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 July to September.

Construction contracted by 0.3% in Quarter 4 (Oct to Dec) 2018 (Figure 7). Although new work grew on the quarter, this was offset by a fall in repair and maintenance.

Monthly growth in construction was negative 2.8% in December 2018, with both new work, and repair and maintenance contracting in this period.

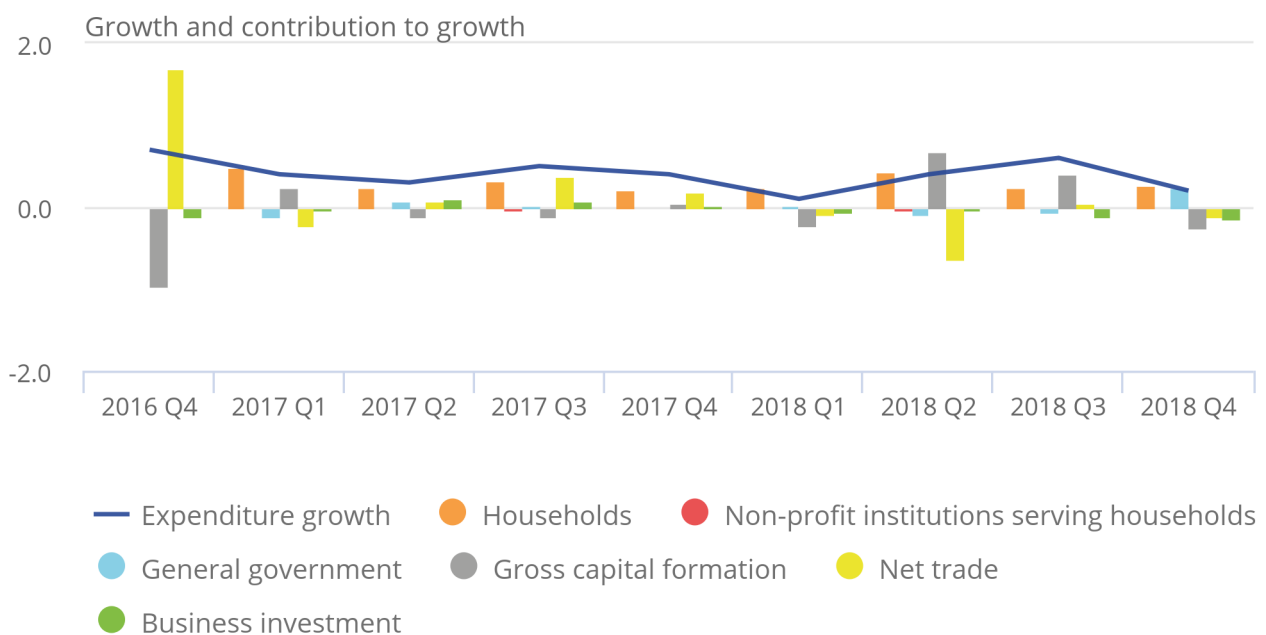
9 . Growth in the expenditure approach to measuring GDP was 0.2% in Quarter 4 2018

Figure 8: Households were the largest contributor to growth in Quarter 4 2018

Growth and contribution to growth, UK, Quarter 1 2017 to Quarter 4 2018

Figure 8: Households were the largest contributor to growth in Quarter 4 2018

Growth and contribution to growth, UK, Quarter 1 2017 to Quarter 4 2018



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).

Household expenditure and government expenditure both contributed positively to growth of 0.2% in gross domestic product (GDP) in Quarter 4 (Oct to Dec) 2018. Household expenditure contributed 0.27 percentage points while government expenditure contributed 0.25 percentage points.

Gross capital formation, which includes gross fixed capital formation (GFCF), changes in inventories and the acquisitions less disposals of valuables, and net trade both contributed negatively to GDP growth in the latest quarter, contributing negative 0.25 percentage points and negative 0.12 percentage points respectively (Figure 8).

More information on the expenditure and income approaches can be found in the [GDP First quarterly estimate](#) bulletin.

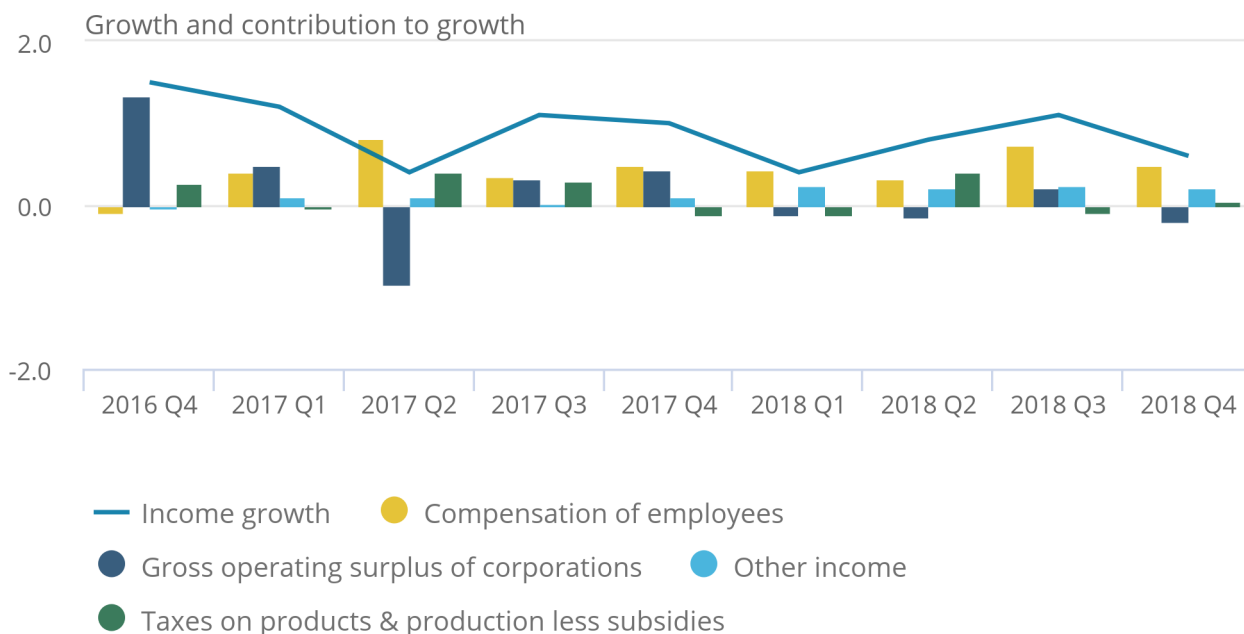
10 . Nominal GDP increased by 0.6% in Quarter 4 2018

Figure 9: Gross operating surplus was the only negative contribution to growth in Quarter 4 2018

Growth and contribution to growth, UK, Quarter 1 (Jan to Mar) 2017 to Quarter 4 (Oct to Dec) 2018

Figure 9: Gross operating surplus was the only negative contribution to growth in Quarter 4 2018

Growth and contribution to growth, UK, Quarter 1 (Jan to Mar) 2017 to Quarter 4 (Oct to Dec) 2018



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).

Nominal gross domestic product (GDP), or GDP in current prices, grew by 0.6% in Quarter 4 (Oct to Dec) 2018, with the increase driven by a 0.9% increase in compensation of employees (CoE).

Gross operating surplus of corporations was the only component of income to contribute negatively to GDP growth in the latest quarter (Figure 9), with both CoE and other income contributions to GDP growth slowing compared with their contributions in Quarter 3 (July to Sept) 2018.

More information on the expenditure and income approaches can be found in the [GDP First quarterly estimate](#) bulletin.

11 . Things you need to know about this release

Please note that the tables associated with this release now include revisions to growth.

12 . Quality and methodology

The [Gross domestic product \(GDP\) Quality and Methodology Information report](#) contains important information on:

- the strengths and limitations of the data and how it compares with related data
- uses and users of the data
- how the output was created
- the quality of the output including the accuracy of the data

GVA1 Monthly GDP based on GVA (Gross Value Added) ¹
Chained volume indices of gross value added at basic prices ^{2,3,4}

seasonally adjusted 2016=100

Section	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	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
	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	95.7	104.9	97.9	92.3	99.6	96.9	91.5	92.0	95.5	91.7	99.0	94.0	89.0	99.5	96.0	92.2	92.8	103.8	98.9	96.9	99.1	98.6	93.6
2015	98.1	106.0	99.0	99.7	99.6	97.9	94.7	96.1	98.1	95.8	100.3	98.5	94.3	96.6	99.4	96.7	97.9	101.8	100.6	98.4	99.8	102.1	92.5
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	102.4	103.0	101.8	99.4	102.5	98.4	103.4	107.1	102.1	102.1	102.1	102.8	106.8	100.2	101.0	104.6	104.5	100.2	100.6	99.7	102.6	104.4	92.8
2018	103.9	99.9	102.6	102.1	103.4	99.0	101.0	107.8	103.8	105.0	103.3	105.0	111.8	99.1	102.0	110.2	107.3	100.9	100.8	100.0	104.4	101.0	93.8
	ECY2	ECY3	ECY4	ECY5	ECY6	ECY7	ECY8	ECY9	ECYC	ECYD	ECYG	ECYH	ECYI	ECYJ	ECYK	ECYL	ECYP	ECYQ	ECYR	ECYS	ECYT	ECYU	ECYV
2016 Dec	101.7	100.2	102.2	98.3	103.3	99.0	101.4	105.1	101.3	102.0	102.1	101.7	105.0	100.5	99.9	102.9	101.7	99.8	100.3	99.8	102.8	104.3	87.3
2017 Jan	101.8	101.5	101.7	99.3	101.9	101.1	103.4	106.5	101.5	101.0	102.3	102.1	103.4	101.4	100.3	103.8	102.6	99.7	100.8	99.7	103.2	105.2	88.6
Feb	101.6	102.4	100.8	98.5	101.4	97.0	104.3	106.3	101.4	101.4	102.5	102.6	103.4	101.2	100.5	102.5	102.8	99.8	101.0	99.7	101.3	103.6	89.5
Mar	101.8	102.8	100.4	100.5	101.2	92.6	105.1	106.6	101.7	101.8	103.2	102.5	104.3	101.0	100.5	103.1	103.9	100.0	100.8	99.8	100.6	105.1	89.8
Apr	101.8	102.8	100.7	98.4	101.4	96.6	103.4	106.5	101.6	101.7	101.6	103.3	105.7	100.7	100.8	102.4	101.4	100.2	100.6	99.9	102.8	105.9	91.2
May	102.1	102.8	101.3	100.1	101.6	98.7	103.5	102.9	101.9	101.3	102.0	102.9	105.5	100.5	101.1	103.7	104.1	100.4	100.5	100.1	101.1	106.4	93.2
Jun	102.4	102.9	101.7	104.3	101.9	98.1	103.3	107.0	102.2	102.3	100.8	101.7	108.3	100.4	101.1	104.5	104.3	100.3	100.4	99.9	101.6	105.0	97.5
Jul	102.4	103.2	101.9	101.3	102.2	99.1	103.3	106.4	102.2	102.0	101.6	104.2	107.3	100.1	101.2	104.5	104.5	100.1	100.5	99.9	101.6	104.3	99.0
Aug	102.6	103.5	101.8	99.4	102.4	99.5	102.6	108.4	102.4	102.6	101.5	102.4	107.5	99.9	101.4	104.9	105.1	100.0	100.5	99.7	103.5	106.1	98.0
Sep	102.8	103.7	101.8	102.2	103.5	101.1	102.8	107.4	102.4	102.6	101.8	101.9	108.2	102.4	101.2	105.9	105.7	100.2	100.6	99.4	103.3	104.5	96.0
Oct	102.7	103.7	103.1	103.3	104.0	97.3	103.6	106.0	102.4	102.6	102.3	102.1	108.3	99.3	101.3	105.5	106.0	100.4	100.5	99.4	104.6	103.5	92.1
Nov	103.1	103.4	103.2	101.6	104.2	99.1	102.5	107.8	102.7	103.1	102.6	103.2	108.7	99.2	101.4	107.0	107.0	100.5	100.4	99.6	103.3	101.5	88.5
Dec	103.2	102.8	102.3	84.5	104.4	101.0	102.6	109.4	102.9	102.3	102.8	103.2	111.2	99.3	101.4	107.3	107.0	100.6	100.4	99.7	104.8	102.0	89.8
2018 Jan	103.3	101.0	103.0	103.1	104.2	97.8	100.2	107.7	103.1	102.8	102.6	104.5	109.8	99.4	101.6	108.7	108.0	100.6	100.4	99.8	104.1	102.0	91.8
Feb	103.0	99.7	103.1	101.2	103.8	101.6	100.3	107.0	102.8	103.4	101.4	102.9	109.0	99.4	101.7	107.6	105.8	100.6	100.5	99.8	103.1	101.4	93.6
Mar	103.1	99.4	103.0	98.4	103.4	104.7	100.7	104.9	103.0	102.7	101.1	103.5	110.7	99.4	101.8	108.4	106.8	100.7	100.6	99.9	104.1	102.0	97.0
Apr	103.3	99.7	102.6	105.5	102.9	101.2	99.5	104.8	103.3	103.6	102.1	104.3	110.6	99.3	101.8	109.5	107.3	100.8	100.8	99.8	103.5	101.7	95.9
May	103.6	100.1	101.9	100.2	103.2	96.0	100.7	107.5	103.6	105.4	102.9	105.1	111.0	99.2	101.9	109.2	107.1	101.0	100.9	99.7	103.2	101.2	94.4
Jun	103.9	99.8	102.7	100.0	104.2	96.2	102.3	108.3	103.8	105.1	103.2	106.3	112.0	99.1	101.8	109.4	107.7	101.0	100.9	99.6	104.2	101.3	94.1
Jul	104.2	99.5	103.2	103.7	103.9	100.1	101.7	108.6	104.1	106.1	103.8	107.1	111.8	99.0	101.9	110.6	107.9	101.1	100.8	99.6	104.9	101.1	94.6
Aug	104.3	99.3	103.1	105.4	103.6	99.5	102.2	108.4	104.2	106.3	103.9	105.5	113.4	98.9	102.0	110.6	107.5	101.1	100.7	99.8	105.5	100.6	94.9
Sep	104.2	99.5	102.6	101.8	103.5	98.7	101.0	110.1	104.1	105.2	103.6	104.9	114.6	98.8	102.1	111.3	106.7	101.1	100.8	100.1	105.2	99.5	94.3
Oct	104.4	100.0	102.3	103.4	103.0	98.2	100.8	109.7	104.4	105.9	104.6	105.2	112.7	98.8	102.5	112.4	107.8	101.1	100.9	100.4	105.2	101.3	92.7
Nov	104.6	100.5	101.9	101.2	102.9	97.2	101.0	109.8	104.8	107.1	105.0	106.2	113.4	98.7	102.6	112.4	108.1	101.1	101.1	100.7	104.9	101.0	91.5
Dec	104.3	100.9	101.5	101.7	102.2	96.9	101.9	106.7	104.6	106.2	105.6	104.7	113.2	98.7	102.8	112.5	107.2	101.1	101.1	100.9	105.3	99.2	91.0
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	3.4	12.2	1.5	0.6	2.9	-6.0	0.7	8.8	3.2	4.9	5.2	2.7	1.3	-1.7	3.1	6.3	9.4	-1.8	1.5	3.4	2.5	11.0	-5.1
2015	2.5	1.1	1.2	8.0	0.0	1.0	3.4	4.4	2.7	4.5	1.3	4.8	6.0	-2.9	3.5	4.9	5.5	-1.9	1.7	1.5	0.7	3.6	-1.2
2016	1.9	-5.6	1.0	0.3	0.4	2.1	5.6	4.1	1.9	4.4	-0.3	1.5	6.0	3.5	0.6	3.4	2.1	-1.8	-0.6	1.6	0.2	-2.1	8.1
2017	2.4	3.0	1.8	-0.6	2.5	-1.6	3.4	7.1	2.1	2.1	2.8	6.8	0.2	1.0	4.6	4.5	0.2	0.6	-0.3	2.6	4.4	-7.2	
2018	1.5	-2.9	0.7	2.7	0.9	0.6	-2.3	0.7	1.7	2.9	1.2	2.2	4.7	-1.2	1.0	5.4	2.7	0.7	0.2	0.3	1.8	-3.3	1.1
Percentage change, latest 3 months on previous 3 months	ED3H	ED3I	ED3J	ED3K	ED3L	ED3M	ED3N	ED3O	ED3P	ED3Q	ED3R	ED3S	ED3T	ED3U	ED3V	ED3W	ED3X	ED3Y	ED3Z	ED42	ED43	ED44	ED9R
2016 Dec	0.9	0.6	0.6	-7.8	1.3	2.4	0.6	2.9	0.8	1.8	1.4	1.4	2.1	-0.4	0.1	1.5	1.3	0.0	0.3	-0.3	1.5	3.7	-13.6
2017 Jan	1.1	1.0	2.0	-1.0	2.2	3.0	1.5	4.2	0.7	0.5	1.0	0.8	1.0	-0.2	0.3	2.1	1.3	-0.1	0.7	-0.2	3.0	5.3	-12.4
Feb	1.0	1.5	1.6	0.6	2.2	-1.2	2.2	4.1	0.6	-0.2	1.4	1.1	0.8	0.0	0.5	1.7	0.9	-0.1	0.9	0.0	2.3	4.7	-8.5
Mar	0.6	2.1	0.3	2.6	0.5	-3.9	3.1	3.2	0.5	-0.6	1.3	1.2	-0.1	0.5	0.6	1.1	1.6	0.0	0.9	0.0	0.6	2.5	-2.6
Apr	0.2	2.0	-1.0	0.1	-0.6	-5.9	2.2	1.5	0.3	0.0	0.7	1.3	0.7	0.1	0.6	-0.3	0.6	0.2	0.5	0.1	-0.7	1.0	1.2
May	0.2	1.4	-0.8	1.0	-0.8	-3.1	1.0	0.5	0.3	0.1	0.0	0.4	1.2	-0.3	0.6	0.0	0.8	0.4	-0.1	0.2	-0.9	1.4	3.3
Jun	0.3	0.6	0.3	1.5	0.1	0.9	-0.																

Industry sections (SIC2007)

Section	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: 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
	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
2016 Dec	2.3	-4.3	2.1	-2.8	1.9	5.0	5.3	6.1	2.1	5.3	1.1	1.1	8.3	3.8	-0.5	4.0	2.9	-1.2	-1.1	0.4	0.2	-0.1	-6.6
2017 Jan	2.6	-2.6	3.3	0.9	2.8	7.5	5.5	7.6	2.1	4.0	1.8	2.0	7.5	3.0	-0.3	5.4	3.4	-1.1	-0.6	0.2	0.5	2.3	-9.5
Feb	2.6	-0.5	3.2	1.2	3.1	4.1	5.6	7.8	2.1	3.2	2.5	2.8	7.5	2.5	-0.3	5.3	3.2	-1.0	-0.2	-0.1	0.6	3.3	-8.5
Mar	2.6	1.5	2.3	1.6	2.5	-1.2	6.7	9.2	2.2	2.8	3.4	3.6	6.7	2.6	0.0	5.4	3.7	-0.6	0.4	-0.4	1.1	4.2	-6.8
Apr	2.4	2.6	1.1	0.2	1.9	-5.7	6.1	8.5	2.2	2.9	3.2	4.3	7.6	2.3	0.2	3.9	3.0	-0.2	0.7	-0.4	2.0	4.6	-8.1
May	2.5	3.0	0.7	0.5	1.5	-6.2	4.4	8.5	2.4	2.5	3.2	4.0	8.4	1.8	0.7	4.0	4.2	0.2	0.8	-0.3	2.6	6.2	-10.6
Jun	2.5	3.2	0.7	0.9	1.4	-4.6	2.9	7.6	2.5	2.6	2.1	3.4	9.4	1.1	1.1	3.9	4.3	0.5	0.7	-0.1	3.2	6.6	-11.7
Jul	2.6	3.4	1.5	-1.3	2.3	-1.9	2.3	7.4	2.5	2.6	2.2	3.7	8.8	0.2	1.4	4.6	5.5	0.5	0.5	-0.1	1.8	6.2	-11.2
Aug	2.6	3.8	1.7	-3.3	2.7	-0.9	2.4	7.8	2.4	2.8	1.7	3.2	7.7	-0.5	1.5	4.6	5.4	0.3	0.7	-0.3	2.7	6.3	-9.6
Sep	2.4	4.0	2.2	-4.0	3.0	1.4	2.3	7.1	2.1	2.3	1.7	2.8	7.1	-1.3	1.6	4.6	5.0	0.3	0.8	-0.4	3.1	6.7	-8.0
Oct	2.3	4.0	3.0	1.7	3.6	0.8	2.4	6.6	1.8	1.5	1.3	1.2	5.1	-1.5	1.6	4.6	4.9	0.3	0.8	-0.4	4.5	6.1	-6.3
Nov	2.1	3.7	3.2	4.4	3.9	-1.0	2.1	5.2	1.7	1.1	-1.4	1.0	5.1	-1.7	1.5	4.7	4.7	0.5	0.7	-0.3	3.6	3.5	-4.6
Dec	1.9	3.2	2.2	-0.5	3.2	-1.7	1.7	4.5	1.6	0.7	1.2	1.4	5.3	-1.5	1.5	4.5	5.1	0.7	0.5	-0.2	3.1	0.3	-1.7
2018 Jan	1.7	1.8	1.2	-2.6	2.3	-2.1	-0.3	3.3	1.6	1.1	1.0	1.8	5.9	-1.6	1.4	4.6	5.2	0.8	0.1	0.0	1.8	-1.9	1.0
Feb	1.5	-0.2	1.2	-2.5	1.9	1.1	-1.9	1.9	1.5	1.3	0.0	1.0	5.8	-1.7	1.3	4.7	4.5	0.8	-0.3	0.1	1.5	-2.4	3.7
Mar	1.4	-2.1	2.0	1.5	2.3	4.6	-3.7	0.0	1.4	1.6	-0.9	0.9	5.9	-1.8	1.2	4.9	3.7	0.7	-0.4	0.1	2.1	-2.7	5.4
Apr	1.4	-2.9	2.2	2.6	2.0	7.4	-3.9	-0.9	1.4	1.6	-0.8	0.4	5.4	-1.6	1.1	5.7	3.9	0.7	-0.2	0.0	2.0	-3.1	5.9
May	1.4	-3.0	1.7	1.7	1.7	4.9	-3.6	-0.8	1.6	2.3	-0.2	1.4	5.3	-1.5	1.0	5.8	3.8	0.6	0.2	-0.2	2.1	-4.0	4.8
Jun	1.5	-2.9	1.2	1.0	1.8	0.0	-2.5	0.2	1.7	2.9	1.3	2.6	4.4	-1.3	0.8	5.7	4.0	0.6	0.4	-0.3	1.7	-4.1	0.9
Jul	1.6	-3.1	1.0	-0.6	1.8	-1.2	-1.7	1.4	1.7	3.6	1.8	3.1	4.3	-1.2	0.7	5.3	3.2	0.8	0.4	-0.3	2.6	-3.9	-2.3
Aug	1.6	-3.6	1.2	1.3	1.7	-0.3	-0.9	1.1	1.8	3.5	2.3	3.4	4.4	-1.1	0.6	5.3	2.9	0.9	0.3	-0.2	2.6	-4.0	-3.7
Sep	1.6	-3.9	0.7	2.6	0.9	-0.5	-1.2	1.5	1.8	3.4	2.1	2.9	5.2	-1.0	0.7	5.4	2.2	0.9	0.3	0.1	2.4	-4.4	-3.2
Oct	1.6	-3.9	0.0	1.9	0.1	-0.5	-1.6	2.0	1.8	3.1	2.1	3.0	5.2	-0.8	0.9	5.7	1.6	0.9	0.3	0.6	1.5	-4.0	-1.5
Nov	1.5	-3.5	-0.8	-0.2	-0.7	-1.1	-2.0	2.6	1.9	3.2	2.1	2.9	4.8	-0.6	1.1	5.5	1.2	0.7	0.5	0.9	1.3	-2.5	0.7
Dec	1.4	-2.8	-1.0	5.9	-1.5	-1.7	-1.6	0.9	1.9	3.6	2.4	2.4	3.4	-0.6	1.3	5.5	0.9	0.6	0.6	1.1	0.9	-1.8	1.8

Percentage change, latest month on previous month

	ECYX	ECYU	ECYZ	ECZ2	ECZA	ECZC	ECZD	ECZE	ECZG	ECZK	ECZN	ECZT	ECZU	ED2G	ED2H	ED2I	ED2J	ED2K	ED2L	ED2M	ED2N	ED2O	ED2P
2016 Dec	0.6	0.1	1.2	-1.0	2.6	-5.0	-0.1	2.2	0.4	0.2	1.2	-0.1	2.1	-0.4	0.0	0.6	-0.2	0.0	0.4	0.1	2.1	2.2	-4.5
2017 Jan	0.1	1.2	-0.5	1.0	-1.4	2.1	2.0	1.3	0.1	-1.0	0.2	0.4	-1.5	0.9	0.5	1.0	0.9	0.0	0.5	-0.1	0.5	0.9	1.5
Feb	-0.2	0.9	-0.9	-0.8	-0.5	-4.0	0.9	-0.3	0.0	0.3	0.2	1.5	0.0	-0.2	0.1	-1.3	0.2	0.1	0.2	0.0	-1.9	-1.5	1.0
Mar	0.2	0.4	-0.5	2.1	-0.2	-4.5	0.8	0.3	0.3	0.4	0.7	-1.1	0.8	-0.2	0.1	0.6	1.1	0.2	-0.2	0.1	-0.7	1.5	0.4
Apr	0.0	0.0	0.3	-2.1	0.2	4.3	-1.6	-0.1	-0.1	-0.1	-1.5	0.8	1.4	-0.3	0.3	-0.7	-2.4	0.2	-0.2	0.2	2.2	0.7	1.5
May	0.3	0.0	0.6	1.7	0.3	2.1	0.1	0.6	0.2	-0.4	0.4	-0.4	-0.2	-0.2	0.3	1.2	2.7	0.1	-0.1	0.1	-1.6	0.5	2.2
Jun	0.3	0.1	0.4	4.2	0.2	-0.5	-0.2	0.5	0.3	1.0	-1.2	-1.1	2.6	-0.1	0.1	0.8	0.2	-0.1	0.0	-0.1	0.5	-1.3	4.7
Jul	0.0	0.3	0.2	-2.8	0.4	1.0	0.0	-0.6	0.0	-0.3	0.8	2.5	-1.0	-0.3	0.1	0.0	0.2	-0.2	0.0	0.0	0.0	-0.6	1.5
Aug	0.3	0.3	-0.1	-1.9	0.1	0.4	-0.6	1.9	0.2	0.5	0.0	-1.7	0.2	-0.1	0.2	0.4	0.6	-0.1	0.1	-0.2	1.8	1.7	-1.0
Sep	0.1	0.2	1.3	2.8	1.1	1.6	0.1	-1.0	0.0	0.3	0.1	-0.6	0.7	-0.3	-0.2	1.0	0.5	0.1	0.0	-0.3	-0.2	-1.5	-2.0
Oct	-0.1	0.0	0.0	1.0	0.5	-3.8	0.8	-1.3	0.0	0.0	0.5	0.3	0.1	-0.4	0.1	-0.4	0.3	0.2	-0.1	0.0	1.3	-1.0	-4.1
Nov	0.3	-0.3	0.1	-1.6	0.2	1.8	-1.1	1.7	0.3	0.5	0.3	1.1	0.3	-0.1	0.1	1.4	0.9	0.2	-0.1	0.1	-1.2	-1.9	-3.9
Dec	0.1	-0.6	-0.9	-16.9	0.2	1.9	0.1	1.5	0.2	-0.8	0.2	-0.1	2.3	0.1	0.0	0.3	0.0	0.0	0.0	0.2	1.4	0.5	1.4
2018 Jan	0.1	-1.7	0.7	22.1	-0.2	-3.2	-2.3	-1.6	0.2	0.4	-0.2	1.3	-1.2	0.1	0.2	1.3	0.9	0.0	0.0	0.1	-0.6	0.0	2.3
Feb	-0.3	-1.3	0.0	-1.9	-0.4	3.8	0.1	-0.7	-0.3	0.5	-1.2	-1.6	-0.7	0.1	0.1	-1.0	-2.0	0.0	0.1	0.0	-1.0	-0.6	2.0
Mar	0.1	-0.3	0.0	-2.7	-0.3	3.0	0.4	-2.0	0.3	-0.6	-0.2	0.6	1.5	0.0	0.1	0.8	0.9	0.1	0.2	0.0	1.0	0.6	3.6
Apr	0.2	0.3	-0.4	7.3	-0.5	-3.3	-1.2	-0.1	0.3	0.8	1.0	0.8	0.0	-0.1	0.0	1.0	0.5	0.2	0.2	-0.1	-0.6	-0.3	-1.2
May	0.3	0.3	-0.7	-5.1	0.3	-5.1	1.2	2.6	0.3	1.7	0.8	0.8	0.3	-0.1	0.1	-0.3	-0.2	0.1	0.1	-0.1	-0.3	-0.5	-1.6
Jun	0.3	-0.3	0.8	-0.3	0.9	0.2	1.6	0.7	0.1	-0.2	0.3	1.2	0.9	-0.1	-0.1	0.1	0.6	0.1	0.0	-0.1	1.0	0.1	-0.3
Jul	0.3	-0.3	0.5	3.7	-0.3	4.0	-0.6	0.3	0.3	1.0	0.6	0.7	-0.2	-0.1	0.2	1.1	0.2	0.0	-0.1	0.0	0.7	-0.2	0.5
Aug	0.0	-0.2	-0.1	1.6	-0.2	-0.6	0.4	-0.1	0.1	0.2	0.0	-1.5	1.4	-0.1	0.0	-0.4	0.0	0.0	0.0	0.2	0.5	-0.5	0.3
Sep	0.0	0.2	-0.5	-3.4	-0.1	-0.8	-1.2	1.6	-0.1	-1.0	-0.2	-0.6	1.1	-0.1	0.1	0.6	-0.7	0.0	0.1	0.3	-0.3	-1.1	-0.6
Oct	0.2	0.5	-0.3	1.6	-0.5	-0.5	-0.1	-0.4	0.3	0.7	0.9	0.2	-1.7	-0.1	0.4	1.0	1.0	0.0	0.1	0.3	0.0	1.8	-1.7
Nov	0.2	0.5	-0.3	-2.2	-0.1	-0.9	0.1	0.1	0.3	1.1	0.4	1.0	0.6	-0.1	0.1	0.0	0.3	0.0	0.1	0.3	-0.3	-0.3	-1.3
Dec	-0.4	0.4	-0.5	0.5	-0.7	-0.4	1.0	-2.8	-0.2	-0.8	0.6	-1.4	-0.2	0.0	0.2	0.0	-0.9	0.0	0.1	0.2	0.3	-1.8	-0.6

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.

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

seasonally adjusted 2016=100

Section	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	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	Activities of households as employers, undifferentiated goods and services
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
2016 Dec	2.7	-3.0	4.5	0.2	4.4	8.6	4.1	6.8	2.1	4.3	2.0	1.0	10.0	2.1	-0.7	5.0	3.6	-1.3	-0.9	0.3	-0.8	2.5	-12.3
2017 Jan	2.8	-0.3	3.0	3.5	2.3	5.3	5.7	8.9	2.3	2.5	2.7	3.1	6.2	2.8	0.1	6.9	3.7	-0.9	0.2	-0.1	1.9	5.3	-7.3
Feb	2.3	1.8	2.2	-0.2	2.6	-1.3	7.0	7.8	1.9	2.9	2.8	4.2	6.4	2.6	-0.2	4.0	2.4	-0.7	0.1	-0.5	0.7	2.3	-5.8
Mar	2.9	2.9	1.6	1.6	2.7	-7.3	7.3	11.0	2.5	3.1	4.6	3.5	7.6	2.4	0.0	5.3	5.0	-0.2	0.9	-0.5	0.5	5.1	-7.4
Apr	2.1	3.1	-0.6	-0.8	0.4	-8.3	4.2	6.7	2.2	2.8	2.1	5.1	8.7	1.9	0.6	2.5	1.7	0.2	1.1	-0.2	4.9	6.5	-11.0
May	2.6	3.1	0.9	0.8	1.5	-2.8	1.9	7.9	2.5	1.7	2.7	3.4	8.9	1.1	1.3	4.2	5.9	0.6	0.4	0.0	2.5	7.0	-13.0
Jun	2.9	3.3	1.8	2.6	2.3	-2.6	2.8	8.2	2.6	3.2	1.3	1.6	10.7	0.4	1.3	5.0	5.4	0.5	0.5	-0.2	2.3	6.4	-10.9
Jul	2.5	3.8	1.8	-6.8	3.2	-0.4	2.3	6.2	2.3	2.8	2.5	6.0	7.0	-0.8	1.5	4.5	5.2	0.3	0.7	-0.2	0.6	5.3	-9.7
Aug	2.5	4.1	1.7	-5.3	2.7	0.5	2.0	9.0	2.1	2.5	1.4	1.9	5.6	-1.1	1.6	4.3	5.7	0.2	0.8	-0.4	5.3	7.3	-8.2
Sep	2.2	4.1	3.0	0.5	3.1	4.2	2.4	6.2	1.8	1.5	1.2	0.5	5.1	-1.8	1.6	5.0	4.0	0.3	0.9	-0.5	3.6	7.6	-6.0
Oct	2.2	3.8	4.4	10.7	5.0	-2.1	2.9	4.6	1.6	0.5	1.2	1.1	4.5	-1.5	1.5	4.4	5.0	0.5	0.8	-0.3	4.7	3.6	-4.5
Nov	2.0	3.2	2.2	2.3	3.5	-4.9	1.1	4.8	1.7	1.3	1.8	1.5	5.6	-1.7	1.5	4.7	5.1	0.7	0.5	-0.1	2.6	-0.5	-3.2
Dec	1.5	2.6	0.1	-14.1	1.1	2.0	1.2	4.0	1.5	0.3	0.8	1.5	5.9	-1.2	1.5	4.4	5.3	0.8	0.1	-0.1	2.0	-2.2	2.9
2018 Jan	1.5	-0.4	1.3	3.8	2.2	-3.2	-3.0	1.1	1.6	1.8	0.3	2.4	6.2	-2.0	1.2	4.7	5.3	0.8	-0.4	0.1	0.8	-3.0	3.6
Feb	1.4	-2.6	2.2	2.7	2.3	4.7	-3.8	0.7	1.3	2.0	-1.1	-0.7	5.4	-1.8	1.2	5.0	3.0	0.8	-0.5	0.1	1.8	-2.1	4.7
Mar	1.3	-3.3	2.6	-2.1	2.2	13.0	-4.2	-1.7	1.3	1.0	-2.0	1.0	6.1	-1.6	1.2	5.1	2.8	0.7	-0.2	0.1	3.6	-3.0	8.0
Apr	1.5	-3.0	1.9	7.3	1.5	4.8	-3.8	-1.6	1.7	1.9	0.5	1.0	4.6	-1.4	1.0	7.0	5.9	0.6	0.2	-0.2	0.7	-4.0	5.2
May	1.5	-2.6	0.6	0.1	1.6	-2.7	-2.7	0.9	1.7	4.1	0.9	2.2	5.2	-1.3	0.8	5.4	2.9	0.6	0.4	-0.4	2.0	-4.9	1.3
Jun	1.4	-3.0	1.0	-4.2	2.2	-2.0	-0.9	1.2	1.6	2.7	2.4	4.5	3.4	-1.3	0.6	4.7	3.3	0.7	0.5	-0.3	2.5	-3.6	-3.5
Jul	1.8	-3.6	1.3	2.3	1.6	1.0	-1.5	2.0	1.9	4.0	2.2	2.7	4.2	-1.1	0.7	5.8	3.3	0.9	0.3	-0.3	3.3	-3.1	-4.5
Aug	1.6	-4.1	1.3	6.0	1.3	0.0	-0.4	0.0	1.8	3.7	2.3	3.0	5.5	-1.0	0.5	5.4	2.2	1.0	0.2	0.1	2.0	-5.2	-3.2
Sep	1.4	-4.1	-0.5	-0.4	0.0	-2.4	-1.7	2.6	1.7	2.6	1.8	3.0	5.9	-0.8	0.9	5.0	1.0	0.9	0.2	0.7	1.9	-4.8	-1.8
Oct	1.7	-3.6	-0.8	0.2	-1.0	0.9	-2.7	3.5	2.0	3.2	2.2	2.9	4.0	-0.5	1.2	6.5	1.7	0.7	0.4	1.0	0.6	-2.1	0.7
Nov	1.5	-2.8	-1.3	-0.4	-1.2	-1.9	-1.5	1.8	2.0	3.8	2.3	2.8	4.3	-0.5	1.2	5.1	1.0	0.5	0.7	1.1	1.5	-0.5	3.4
Dec	1.0	-1.8	-0.9	20.4	-2.1	-4.1	-0.6	-2.4	1.7	3.8	2.7	1.5	1.8	-0.6	1.4	4.8	0.1	0.5	0.7	1.2	0.5	-2.7	1.4

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.

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

Section	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	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	Activities of households as employers, undifferentiated goods and services	
	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 previous 3 months																								
2016 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
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
2017 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
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
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
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
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
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
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
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
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
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
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
2018 Jan	0.0	-0.4	0.0	0.6	-0.1	0.1	-0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.4	-0.2	-0.2
Feb	0.0	-0.9	0.0	1.1	-0.2	0.2	-0.3	0.3	0.0	0.1	0.2	0.1	0.1	0.0	0.0	-0.1	0.1	0.0	0.0	0.0	0.1	-0.6	-0.8	-0.8
Mar	0.1	-1.5	0.0	1.9	-0.2	0.5	-0.2	0.4	0.0	0.2	0.3	0.1	0.0	0.0	0.0	-0.1	0.1	0.0	0.1	0.0	-0.1	-0.9	-1.9	
Apr	0.1	-1.4	0.1	1.6	-0.2	0.8	-0.1	0.3	0.0	0.1	0.2	-0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	-0.3	-0.6	-2.7	
May	0.0	-0.8	0.2	0.7	0.0	0.8	-0.1	0.1	0.0	0.0	0.1	-0.1	-0.1	0.1	0.2	0.0	-0.1	0.0	0.1	0.0	-0.5	-0.4	-2.8	
Jun	0.0	-0.2	0.1	0.0	0.0	0.5	-0.2	-0.2	0.0	0.0	0.0	-0.1	-0.1	0.0	0.2	0.1	-0.1	0.0	0.1	-0.1	-0.4	-0.2	-2.0	
Jul	0.0	-0.2	-0.1	-0.2	-0.1	0.3	-0.4	-0.3	0.1	0.0	0.1	-0.1	-0.1	-0.1	0.2	0.1	-0.1	0.0	0.1	0.0	0.2	-0.2	-0.8	
Aug	0.0	-0.5	-0.2	0.0	-0.2	0.2	-0.4	-0.2	0.1	0.1	0.1	-0.1	-0.3	-0.2	0.2	0.0	-0.1	0.0	0.1	0.0	0.8	-0.1	-0.4	
Sep	0.0	-0.8	0.0	0.2	-0.2	0.3	-0.1	-0.2	0.0	0.2	0.3	-0.2	-0.3	-0.2	0.2	-0.1	-0.3	0.0	0.1	0.0	1.1	-0.2	-1.0	
Oct	0.0	-0.5	0.0	0.5	-0.1	0.0	0.3	-0.4	0.1	0.1	0.3	-0.1	0.2	0.0	0.2	0.1	-0.4	0.0	0.1	0.1	0.8	-0.1	-3.1	
Nov	0.0	0.1	0.1	0.3	0.1	0.0	0.7	-0.7	0.1	0.0	0.2	-0.1	0.5	0.3	0.3	0.0	-0.4	0.0	0.0	0.2	0.3	-0.1	-4.7	
Percentage change, latest 3 months on same 3 months a year ago																								
2016 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
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
2017 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
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
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
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
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
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
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
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
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
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
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
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
2018 Jan	0.0	-0.3	0.0	0.5	0.0	0.0	-0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.4	-0.3	-0.3
Feb	0.1	-1.0	0.0	1.2	-0.1	0.2	-0.2	0.2	0.0	0.1	0.2	0.1	0.0	0.0	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	-0.6	-0.8	-0.8
Mar	0.0	-1.5	0.0	1.9	-0.2	0.6	-0.2	0.4	0.0	0.2	0.3	0.1	0.0	0.0	0.0	-0.1	0.1	0.0	0.0	0.0	-0.1	-0.9	-1.9	
Apr	0.1	-1.7	0.1	2.0	-0.2	0.9	-0.1	0.4	0.0	0.1	0.3	-0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.3	-1.0	-3.0	
May	0.0	-1.7	0.1	1.9	-0.2	1.1	-0.2	0.3	0.0	0.1	0.3	-0.1	0.0	0.0	0.2	0.0	-0.1	0.0	0.1	-0.1	-0.4	-1.0	-3.6	
Jun	0.1	-1.7	0.1	1.9	-0.2	1.0	-0.4	0.3	0.1	0.2	0.3	-0.1	-0.1	0.1	0.3	0.1	0.0	0.0	0.1	-0.1	-0.5	-1.0	-3.9	
Jul	0.0	-1.9	0.0	1.8	-0.3	1.2	-0.6	0.2	0.0	0.2	0.3	-0.2	-0.2	0.0	0.4	0.0	-0.1	0.0	0.1	0.0	-0.1	-1.1	-3.6	
Aug	0.0	-2.3	0.0	2.0	-0.3	1.3	-0.6	0.1	0.1	0.3	0.4	-0.2	-0.3	-0.1	0.4	0.0	-0.2	0.0	0.1	-0.1	0.4	-1.1	-3.8	
Sep	0.0	-2.4	0.0	2.1	-0.4	1.3	-0.5	-0.1	0.1	0.3	0.5	-0.2	-0.4	-0.1	0.5	0.0	-0.3	0.0	0.2	0.0	0.7	-1.2	-4.8	
Oct	0.1	-2.4	0.0	2.4	-0.4	1.2	-0.2	-0.3	0.1	0.3	0.6	-0.3	0.0	0.0	0.6	0.1	-0.6	0.0	0.1	0.1	0.7	-1.1	-6.8	
Nov	0.0	-2.2	0.1	2.2	-0.3	1.3	0.0	-0.7	0.1	0.3	0.6	-0.4	0.2	0.2	0.7	-0.1	-0.6	0.0	0.2	0.1	0.7	-1.1	-9.0	

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.

Section	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	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	Activities of households as employers, undifferentiated goods and services
	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																							
2016 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
2017 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
2018 Jan	0.0	-1.0	0.0	1.9	-0.2	0.1	-0.2	0.3	0.0	0.1	0.3	0.3	0.1	0.0	0.0	-0.1	0.0	0.1	0.0	0.1	0.0	0.2	-1.1
Feb	0.0	-0.8	-0.1	0.5	-0.2	0.3	-0.2	0.2	0.0	-0.1	0.0	-0.4	0.2	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	-0.3	0.3	-1.0
Mar	0.0	-0.1	0.2	0.0	0.2	0.5	0.5	0.0	0.0	0.0	0.0	-0.1	-0.1	0.1	0.1	-0.1	-0.1	0.0	0.0	0.0	-0.3	0.0	
Apr	0.0	0.2	0.1	0.0	0.2	0.2	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	-0.2	-0.4	
May	0.0	0.1	-0.2	-0.2	-0.2	-0.2	-0.4	-0.1	0.1	0.0	0.0	0.0	-0.1	0.0	0.1	-0.1	-0.1	0.0	0.0	0.0	0.2	0.2	
Jun	0.0	-0.3	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	0.0	0.1	0.0	0.0	-0.2	-0.1	0.1	0.1	0.2	0.0	0.1	-0.1	-0.1	0.0	
Jul	0.0	-0.4	0.1	0.1	0.0	0.6	-0.1	-0.1	0.0	0.1	0.2	-0.1	-0.1	-0.1	0.1	-0.4	-0.2	0.0	0.0	0.1	1.1	-0.2	
Aug	0.0	-0.3	-0.1	0.4	-0.1	-0.4	-0.1	0.1	0.0	0.0	0.0	-0.1	-0.2	0.0	0.0	0.2	-0.1	0.0	0.0	0.0	0.4	0.1	
Sep	0.0	0.1	0.0	-0.2	0.0	0.0	0.5	-0.3	0.0	0.1	0.1	0.0	-0.3	0.2	0.1	0.0	-0.2	0.0	0.0	0.1	-0.8	-0.2	
Oct	0.1	0.3	0.2	0.7	0.1	0.0	0.2	-0.4	0.1	0.0	-0.1	-0.1	0.6	0.2	0.2	-0.1	-0.3	0.0	0.1	0.0	0.4	0.2	
Nov	0.0	0.3	0.1	-0.9	0.2	0.2	0.1	-0.5	0.0	-0.1	0.2	-0.2	-0.3	0.1	0.0	-0.3	0.5	0.0	0.1	0.1	0.4	0.1	
Percentage change, latest month on same month a year ago																							
2016 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
2017 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
2018 Jan	0.0	-1.0	0.0	1.5	-0.2	0.2	-0.2	0.3	0.0	0.2	0.3	0.3	0.1	0.0	0.0	-0.1	0.1	0.0	0.0	0.0	0.1	-1.1	-0.7
Feb	0.0	-1.7	-0.1	2.0	-0.4	0.5	-0.4	0.5	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	-0.1	-0.8	-1.7
Mar	0.0	-1.9	0.1	2.0	-0.2	1.1	0.0	0.4	0.0	0.2	0.3	-0.1	-0.1	0.1	0.1	-0.2	0.0	0.0	0.0	0.0	-0.3	-0.7	-3.2
Apr	0.1	-1.7	0.3	2.1	0.0	1.3	-0.1	0.4	0.0	0.1	0.2	-0.1	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	-0.5	-1.2	-3.9
May	0.0	-1.5	0.0	1.8	-0.2	0.9	-0.5	0.2	0.0	0.2	0.2	-0.1	0.0	0.1	0.3	0.1	-0.1	0.0	0.0	0.0	-0.4	-1.0	-3.8
Jun	0.0	-1.8	0.0	1.6	-0.4	0.9	-0.5	0.2	0.1	0.2	0.2	-0.2	-0.3	-0.1	0.3	0.2	0.0	-0.1	0.2	-0.1	-0.6	-1.0	-4.0
Jul	0.0	-2.3	0.0	1.9	-0.3	1.6	-0.6	0.0	0.0	0.3	0.4	-0.2	-0.3	-0.2	0.4	-0.2	-0.2	0.0	0.1	0.0	0.6	-1.1	-3.0
Aug	0.0	-2.6	-0.1	2.4	-0.4	1.2	-0.7	0.1	0.1	0.3	0.5	-0.3	-0.5	-0.2	0.4	0.1	-0.4	0.0	0.1	0.0	1.1	-1.0	-4.4
Sep	0.0	-2.5	-0.1	2.0	-0.4	1.2	-0.1	-0.2	0.1	0.4	0.7	-0.2	-0.2	0.0	0.6	0.1	-0.5	0.0	0.0	0.1	0.3	-1.3	-6.9
Oct	0.1	-2.2	0.1	2.8	-0.3	1.2	0.0	-0.6	0.2	0.3	0.5	-0.4	0.4	0.3	0.7	0.0	-0.9	0.0	0.2	0.1	0.7	-1.1	-9.2
Nov	0.1	-1.8	0.2	1.9	-0.1	1.3	0.2	-1.2	0.1	0.2	0.7	-0.6	0.2	0.4	0.8	-0.2	-0.4	0.0	0.3	0.1	1.1	-1.0	-11.1

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.

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

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
2016 Dec	0.90	0.00	0.08	-0.10	0.13	0.04	0.01	0.18	0.63	0.20	0.06	0.04	0.14	-0.03	0.02	0.12	0.06	0.00	0.02	-0.02	0.02	0.07	-0.06
2017 Jan	1.09	0.01	0.28	-0.01	0.22	0.05	0.01	0.25	0.56	0.06	0.04	0.03	0.06	-0.01	0.04	0.16	0.06	0.00	0.04	-0.01	0.04	0.11	-0.05
Feb	0.98	0.01	0.22	0.01	0.21	-0.02	0.02	0.25	0.50	-0.02	0.06	0.03	0.05	0.00	0.07	0.13	0.04	0.00	0.06	0.00	0.04	0.10	-0.03
Mar	0.64	0.01	0.04	0.03	0.05	-0.07	0.03	0.20	0.39	-0.06	0.06	0.04	-0.01	0.03	0.08	0.08	0.08	0.00	0.05	0.00	0.01	0.05	-0.01
Apr	0.22	0.01	-0.14	0.00	-0.06	-0.10	0.02	0.09	0.26	0.00	0.03	0.04	0.05	0.00	0.08	-0.02	0.03	0.01	0.03	0.01	-0.01	0.02	0.00
May	0.18	0.01	-0.11	0.01	-0.08	-0.05	0.01	0.03	0.25	0.01	0.00	0.01	0.08	-0.02	0.08	0.00	0.04	0.02	0.00	0.01	-0.01	0.03	0.01
Jun	0.33	0.00	0.03	0.02	0.01	0.02	-0.01	0.01	0.28	0.04	-0.05	0.00	0.17	-0.05	0.08	0.03	0.01	0.02	-0.02	0.02	0.00	0.02	0.02
Jul	0.53	0.00	0.13	0.03	0.06	0.06	-0.01	0.01	0.38	0.03	-0.04	-0.01	0.16	-0.05	0.07	0.11	0.08	0.01	-0.02	0.01	0.00	0.01	0.03
Aug	0.58	0.00	0.13	0.02	0.07	0.05	-0.01	0.04	0.40	0.08	-0.04	0.00	0.15	-0.04	0.06	0.12	0.07	0.00	-0.01	-0.01	0.01	-0.01	0.03
Sep	0.51	0.00	0.14	0.00	0.10	0.04	0.00	0.04	0.33	0.07	0.01	0.01	0.07	-0.05	0.04	0.12	0.09	-0.01	0.00	-0.02	0.01	-0.02	0.01
Oct	0.42	0.00	0.14	0.00	0.13	0.01	0.00	0.04	0.24	0.08	0.02	-0.02	0.06	-0.05	0.02	0.09	0.06	0.00	0.00	-0.03	0.03	-0.01	0.00
Nov	0.37	0.00	0.18	0.01	0.17	0.00	0.00	-0.01	0.20	0.05	0.04	-0.01	0.04	-0.05	0.00	0.11	0.08	0.01	0.00	-0.03	0.02	-0.04	-0.02
Dec	0.37	0.00	0.09	-0.05	0.15	-0.01	0.00	0.02	0.27	0.03	0.04	0.00	0.11	-0.04	0.01	0.11	0.07	0.02	0.00	-0.01	0.02	-0.05	-0.03
2018 Jan	0.47	-0.01	0.03	-0.06	0.09	0.00	-0.01	0.06	0.39	0.02	0.03	0.04	0.11	-0.02	0.02	0.16	0.08	0.02	-0.01	0.01	0.00	-0.07	-0.02
Feb	0.33	-0.01	-0.04	-0.07	0.02	0.02	-0.02	0.05	0.33	0.00	0.00	0.03	0.09	0.00	0.04	0.13	0.03	0.01	0.00	0.02	0.00	-0.03	0.00
Mar	0.17	-0.02	0.02	0.05	-0.04	0.04	-0.03	-0.07	0.24	0.03	-0.04	0.02	0.02	0.01	0.05	0.12	0.01	0.00	0.00	0.02	-0.01	-0.01	0.02
Apr	-0.05	-0.02	0.00	0.06	-0.09	0.05	-0.02	-0.16	0.13	0.05	-0.05	0.00	0.01	0.01	0.04	0.06	-0.03	0.01	0.01	0.01	-0.01	0.00	0.02
May	0.15	-0.01	-0.04	0.06	-0.09	0.01	-0.01	-0.13	0.33	0.11	-0.01	0.02	0.05	-0.01	0.03	0.09	0.01	0.01	0.02	0.00	-0.01	0.00	0.02
Jun	0.41	0.00	-0.08	0.01	-0.04	-0.06	0.00	0.02	0.47	0.18	0.04	0.05	0.08	-0.01	0.02	0.08	0.02	0.02	0.02	-0.01	0.00	-0.01	0.00
Jul	0.72	0.00	-0.04	0.00	0.04	-0.09	0.01	0.15	0.60	0.24	0.07	0.08	0.09	-0.02	0.01	0.09	0.04	0.01	0.01	-0.02	0.01	-0.01	0.00
Aug	0.75	0.00	0.07	0.02	0.07	-0.04	0.02	0.15	0.53	0.20	0.06	0.06	0.10	-0.02	0.01	0.08	0.03	0.01	0.00	-0.01	0.02	-0.01	0.00
Sep	0.63	0.00	0.08	0.02	0.02	0.03	0.01	0.12	0.43	0.12	0.04	0.02	0.12	-0.02	0.03	0.10	0.00	0.01	-0.01	0.01	0.02	-0.02	0.00
Oct	0.40	0.00	0.01	0.03	-0.03	0.02	0.00	0.07	0.32	0.03	0.03	-0.03	0.12	-0.02	0.04	0.12	-0.01	0.00	0.00	0.03	0.02	-0.02	0.00
Nov	0.31	0.00	-0.10	-0.01	-0.07	-0.01	-0.01	0.08	0.32	0.02	0.03	-0.03	0.07	-0.02	0.06	0.13	-0.01	0.00	0.01	0.05	0.00	-0.01	-0.01
Dec	0.19	0.01	-0.15	-0.02	-0.09	-0.03	0.00	-0.02	0.35	0.05	0.05	-0.01	-0.01	-0.02	0.08	0.12	0.01	0.00	0.01	0.06	0.00	0.00	-0.01

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
2016 Dec	2.30	-0.03	0.29	-0.03	0.19	0.08	0.05	0.37	1.67	0.55	0.05	0.03	0.52	0.27	-0.07	0.31	0.13	-0.06	-0.06	0.03	0.00	0.00	-0.03
2017 Jan	2.61	-0.02	0.46	0.01	0.28	0.12	0.05	0.45	1.72	0.42	0.08	0.06	0.46	0.22	-0.05	0.40	0.16	-0.05	-0.04	0.01	0.01	0.05	-0.04
Feb	2.58	0.00	0.44	0.01	0.31	0.07	0.05	0.46	1.67	0.33	0.11	0.08	0.46	0.18	-0.04	0.39	0.15	-0.05	-0.01	-0.01	0.01	0.07	-0.03
Mar	2.64	0.01	0.31	0.02	0.25	-0.02	0.07	0.54	1.78	0.29	0.15	0.11	0.41	0.19	0.00	0.40	0.18	-0.03	0.02	-0.03	0.02	0.09	-0.03
Apr	2.43	0.02	0.15	0.00	0.19	-0.10	0.06	0.50	1.76	0.30	0.14	0.13	0.47	0.17	0.02	0.30	0.14	-0.01	0.04	-0.03	0.03	0.10	-0.03
May	2.54	0.02	0.09	0.01	0.15	-0.11	0.04	0.50	1.92	0.26	0.14	0.12	0.52	0.13	0.09	0.30	0.20	0.01	0.05	-0.02	0.04	0.13	-0.04
Jun	2.53	0.02	0.10	0.01	0.14	-0.08	0.03	0.45	1.96	0.26	0.09	0.10	0.58	0.08	0.15	0.29	0.21	0.02	0.04	-0.01	0.05	0.14	-0.05
Jul	2.65	0.02	0.21	-0.01	0.23	-0.03	0.02	0.44	1.98	0.26	0.09	0.11	0.55	0.02	0.19	0.35	0.26	0.02	0.03	-0.01	0.03	0.13	-0.05
Aug	2.61	0.02	0.24	-0.04	0.27	-0.02	0.02	0.46	1.88	0.29	0.07	0.09	0.48	-0.04	0.21	0.35	0.26	0.02	0.04	-0.02	0.04	0.13	-0.04
Sep	2.40	0.03	0.30	-0.04	0.30	0.02	0.02	0.43	1.65	0.23	0.07	0.08	0.37	-0.09	0.22	0.35	0.24	0.01	0.05	-0.03	0.05	0.14	-0.03
Oct	2.29	0.03	0.41	0.02	0.36	0.01	0.02	0.39	1.45	0.16	0.05	0.03	0.33	-0.11	0.21	0.35	0.24	0.02	0.05	-0.03	0.07	0.13	-0.03
Nov	2.12	0.02	0.43	0.04	0.38	-0.02	0.02	0.31	1.35	0.12	0.06	0.03	0.33	-0.12	0.21	0.36	0.23	0.02	0.04	-0.02	0.05	0.07	-0.02
Dec	1.87	0.02	0.30	0.00	0.32	-0.03	0.02	0.27	1.28	0.07	0.05	0.04	0.34	-0.11	0.20	0.34	0.25	0.03	0.03	-0.01	0.05	0.01	-0.01
2018 Jan	1.66	0.01	0.17	-0.03	0.23	-0.04	0.00	0.20	1.28	0.12	0.04	0.05	0.37	-0.12	0.19	0.35	0.25	0.04	0.00	0.00	0.03	-0.05	0.00
Feb	1.46	0.00	0.17	-0.03	0.19	0.02	-0.02	0.12	1.18	0.14	0.00	0.03	0.37	-0.12	0.18	0.35	0.22	0.04	-0.02	0.01	0.02	-0.06	0.01
Mar	1.39	-0.01	0.28	0.02	0.23	0.08	-0.04	0.00	1.13	0.16	-0.04	0.03	0.37	-0.13	0.17	0.37	0.18	0.04	-0.02	0.01	0.03	-0.07	0.02
Apr	1.38	-0.02	0.31	0.03	0.20	0.12	-0.04	-0.05	1.15	0.17	-0.04	0.01	0.34	-0.12	0.16	0.43	0.19	0.03	-0.01	0.00	0.03	-0.07	0.02
May	1.43	-0.02	0.24	0.02	0.17	0.08	-0.04	-0.05	1.26	0.24	-0.01	0.04	0.34	-0.11	0.13	0.44	0.18	0.03	0.01	-0.01	0.03	-0.10	0.02
Jun	1.48	-0.02	0.16	0.01	0.18	0.00	-0.03	0.01	1.32	0.30	0.05	0.08	0.28	-0.10	0.11	0.43	0.19	0.03	0.02	-0.02	0.03	-0.10	0.00
Jul	1.57	-0.02	0.14	-0.01	0.18	-0.02	-0.02	0.08	1.37	0.38	0.08	0.09	0.27	-0.09	0.09	0.40	0.15	0.04	0.02	-0.03	0.04	-0.09	-0.01
Aug	1.60	-0.02	0.17	0.02	0.17	-0.01	-0.01	0.07	1.39	0.36	0.10	0.10	0.28	-0.08	0.08	0.40	0.14	0.04	0.02	-0.01	0.04	-0.10	-0.01
Sep	1.59	-0.03	0.10	0.03	0.09	-0.01	-0.01	0.09	1.42	0.36	0.09	0.09	0.34	-0.07	0.10	0.41	0.11	0.04	0.02	0.01	0.04	-0.11	-0.01
Oct	1.55	-0.03	0.00	0.02	0.01	-0.01	-0.02	0.12	1.45	0.33	0.09	0.09	0.33	-0.06	0.12	0.43	0.08	0.04	0.02	0.04	0.02	-0.10	-0.01
Nov	1.54	-0.02	-0.12	0.00	-0.08	-0.02	-0.02	0.16	1.51	0.34	0.09	0.09	0.31	-0.05	0.15	0.43	0.06	0.03	0.03	0.07	0.02	-0.06	0.00
Dec	1.41	-0.02	-0.14	0.07	-0.15	-0.03	-0.02	0.06	1.50	0.38	0.10	0.07	0.22	-0.04									

CONTRIB 2 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

Section	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	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
	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
2016 Dec	0.62	0.00	0.17	-0.01	0.26	-0.09	0.00	0.14	0.31	0.02	0.05	0.00	0.14	-0.03	0.01	0.05	-0.01	0.00	0.02	0.01	0.03	0.05	-0.02
2017 Jan	0.11	0.01	-0.07	0.01	-0.14	0.04	0.02	0.08	0.10	-0.10	0.01	0.01	-0.10	0.06	0.06	0.07	0.04	0.00	0.03	-0.01	0.01	0.02	0.01
2017 Feb	-0.16	0.01	-0.12	-0.01	-0.05	-0.07	0.01	-0.02	-0.03	0.04	0.01	0.05	-0.02	-0.01	0.02	-0.10	0.01	0.00	0.01	0.00	-0.03	-0.03	0.00
2017 Mar	0.17	0.00	-0.07	0.02	-0.02	-0.08	0.01	0.02	0.21	0.04	0.03	-0.03	0.05	-0.02	0.01	0.05	0.05	0.01	-0.01	0.00	-0.01	0.03	0.00
2017 Apr	-0.01	0.00	0.05	-0.02	0.02	0.07	-0.02	-0.01	-0.05	-0.01	-0.07	0.02	0.09	-0.02	0.04	-0.05	-0.12	0.01	-0.01	0.01	0.03	0.01	0.01
2017 May	0.27	0.00	0.08	0.02	0.03	0.04	0.00	0.00	0.19	-0.04	0.02	-0.01	-0.01	-0.02	0.03	0.09	0.13	0.01	-0.01	0.01	-0.02	0.01	0.01
2017 Jun	0.33	0.00	0.05	0.04	0.02	-0.01	0.00	0.03	0.24	-0.11	-0.05	-0.03	0.17	-0.01	0.01	0.06	0.01	0.00	0.00	-0.01	0.01	-0.03	0.02
2017 Jul	-0.01	0.00	0.02	-0.03	0.04	0.02	0.00	-0.04	0.00	-0.03	0.03	0.07	-0.06	-0.02	0.01	0.00	0.01	-0.01	0.00	0.00	0.00	-0.01	0.01
2017 Aug	0.25	0.00	-0.01	-0.02	0.01	0.01	-0.01	0.12	0.14	0.06	0.00	-0.05	0.01	-0.01	0.03	0.03	0.03	0.00	0.00	-0.01	0.03	0.04	0.00
2017 Sep	0.15	0.00	0.17	0.03	0.11	0.03	0.00	-0.06	0.03	0.00	0.01	-0.02	0.05	-0.02	-0.03	0.07	0.03	0.00	0.00	-0.02	0.00	-0.03	-0.01
2017 Oct	-0.08	0.00	0.00	0.01	0.05	-0.06	0.01	-0.08	-0.01	0.00	0.02	0.01	-0.03	0.01	-0.03	0.01	-0.03	0.01	0.00	0.00	0.02	-0.02	-0.02
2017 Nov	0.35	0.00	0.02	-0.02	0.02	0.03	-0.01	0.11	0.22	0.05	0.01	0.03	0.02	-0.01	0.01	0.11	0.05	0.01	0.00	0.01	-0.02	-0.04	-0.01
2017 Dec	0.13	0.00	-0.12	-0.17	0.02	0.03	0.00	0.09	0.16	-0.08	0.01	0.00	0.15	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.02	0.01	0.00
2018 Jan	0.15	-0.01	0.09	0.22	-0.02	-0.05	-0.02	-0.10	0.17	0.05	-0.01	0.04	-0.08	0.01	0.02	0.10	0.04	0.00	0.00	0.01	-0.01	0.00	0.01
2018 Feb	-0.31	-0.01	0.00	-0.02	-0.04	0.06	0.00	-0.04	-0.26	0.06	-0.05	-0.05	-0.05	0.00	0.02	-0.08	-0.10	0.00	0.01	0.00	-0.01	-0.02	0.01
2018 Mar	0.09	0.00	-0.01	-0.03	-0.03	0.05	0.00	-0.12	0.00	-0.06	-0.01	0.02	0.10	0.00	0.02	0.06	0.04	0.00	0.01	0.00	0.02	0.01	0.01
2018 Apr	0.18	0.00	-0.05	0.09	-0.05	-0.06	-0.01	-0.01	0.24	0.09	0.04	0.02	0.00	-0.01	0.00	0.08	0.03	0.01	0.01	-0.01	-0.01	-0.01	0.00
2018 May	0.28	0.00	-0.10	-0.06	0.03	-0.09	0.01	0.16	0.21	0.18	0.03	0.02	0.02	-0.01	0.01	-0.02	-0.01	0.01	0.01	-0.01	-0.01	-0.01	-0.01
2018 Jun	0.27	0.00	0.11	0.00	0.09	0.00	0.02	0.04	0.12	-0.03	0.01	0.04	0.06	0.00	-0.01	0.01	0.03	0.00	0.00	0.00	0.02	0.00	0.00
2018 Jul	0.33	0.00	0.07	0.04	-0.03	0.07	-0.01	0.02	0.25	-0.10	0.02	0.02	-0.01	0.25	0.01	0.09	0.01	0.00	-0.01	0.00	0.01	0.00	0.00
2018 Aug	0.04	0.00	-0.01	0.02	-0.02	-0.01	0.00	-0.01	0.06	0.02	0.00	-0.05	0.09	0.00	0.00	0.00	-0.02	0.00	0.00	0.01	0.01	-0.01	0.00
2018 Sep	-0.02	0.00	-0.07	-0.04	-0.01	-0.01	-0.01	0.10	-0.05	-0.11	-0.01	-0.02	0.07	-0.01	0.01	0.04	-0.03	0.00	0.00	0.02	0.00	-0.02	0.00
2018 Oct	0.18	0.00	-0.04	0.02	-0.05	-0.01	0.00	-0.02	0.24	0.07	0.04	0.01	-0.11	-0.01	0.05	0.08	0.05	0.00	0.01	0.02	0.00	0.04	-0.01
2018 Nov	0.20	0.00	-0.05	-0.03	-0.01	-0.02	0.00	0.00	0.24	0.12	0.02	0.03	0.04	-0.01	0.01	0.00	0.01	0.00	0.01	0.02	0.00	-0.01	-0.01
2018 Dec	-0.37	0.00	-0.06	0.01	-0.07	-0.01	0.01	-0.17	-0.14	-0.09	0.02	-0.04	-0.01	0.00	0.03	0.00	-0.04	0.00	0.00	0.01	0.01	-0.04	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
2016 Dec	2.70	-0.02	0.62	0.00	0.44	0.13	0.04	0.42	1.69	0.45	0.09	0.03	0.63	0.15	-0.09	0.38	0.17	-0.06	-0.05	0.02	-0.01	0.05	-0.05
2017 Jan	2.77	0.00	0.41	0.03	0.23	0.09	0.06	0.53	1.83	0.26	0.12	0.09	0.38	0.20	0.01	0.51	0.18	-0.04	0.01	-0.01	0.03	0.11	-0.03
2017 Feb	2.26	0.01	0.30	0.00	0.26	-0.02	0.07	0.46	1.49	0.29	0.12	0.13	0.39	0.19	-0.03	0.30	0.12	-0.04	0.00	-0.04	0.01	0.05	-0.02
2017 Mar	2.89	0.02	0.23	0.02	0.27	-0.13	0.07	0.64	2.00	0.32	0.20	0.10	0.47	0.17	0.00	0.40	0.24	-0.01	0.05	-0.04	0.01	0.11	-0.03
2017 Apr	2.13	0.02	-0.08	-0.01	0.04	-0.15	0.04	0.40	1.79	0.29	0.09	0.15	0.54	0.13	0.09	0.19	0.08	0.01	0.07	-0.02	0.07	0.14	-0.05
2017 May	2.59	0.02	0.13	0.01	0.15	-0.05	0.02	0.47	1.98	0.18	0.12	0.10	0.54	0.08	0.18	0.32	0.28	0.03	0.02	0.00	0.04	0.15	-0.06
2017 Jun	2.85	0.02	0.24	0.03	0.23	-0.05	0.03	0.48	2.10	0.33	0.06	0.05	0.66	0.03	0.18	0.38	0.26	0.02	0.03	-0.01	0.03	0.13	-0.05
2017 Jul	2.50	0.02	0.24	-0.08	0.32	-0.01	0.02	0.37	1.86	0.29	0.11	0.18	0.44	-0.06	0.21	0.34	0.25	0.01	0.04	-0.02	0.01	0.11	-0.04
2017 Aug	2.48	0.03	0.24	-0.06	0.27	0.01	0.02	0.53	1.69	0.26	0.06	0.06	0.36	-0.08	0.23	0.33	0.27	0.01	0.05	-0.03	0.08	0.15	-0.04
2017 Sep	2.23	0.03	0.41	0.01	0.31	0.07	0.02	0.37	1.42	0.16	0.05	0.01	0.33	-0.14	0.22	0.38	0.20	0.01	0.05	-0.03	0.05	0.16	-0.03
2017 Oct	2.16	0.02	0.59	0.10	0.49	-0.04	0.03	0.28	1.26	0.06	0.05	0.03	0.29	-0.11	0.20	0.34	0.24	0.02	0.05	-0.03	0.07	0.08	-0.02
2017 Nov	1.98	0.02	0.30	0.02	0.35	-0.09	0.01	0.29	1.37	0.13	0.08	0.04	0.36	-0.12	0.21	0.36	0.24	0.03	0.03	-0.01	0.04	-0.01	0.01
2017 Dec	1.49	0.02	0.02	-0.14	0.11	0.03	0.01	0.25	1.21	0.03	0.03	0.04	0.38	-0.09	0.20	0.33	0.25	0.04	0.01	0.00	0.03	-0.05	0.01
2018 Jan	1.52	0.00	0.18	0.05	0.23	-0.06	-0.03	0.07	1.28	0.18	0.01	0.07	0.39	-0.14	0.16	0.36	0.25	0.04	-0.02	0.01	0.01	-0.07	0.01
2018 Feb	1.37	-0.02	0.31	0.03	0.23	0.08	-0.04	0.04	1.05	0.20	-0.05	-0.02	0.34	-0.13	0.17	0.37	0.14	0.04	-0.03	0.01	0.03	-0.05	0.02
2018 Mar	1.29	-0.02	0.36	-0.03	0.22	0.21	-0.04	-0.10	1.06	0.10	-0.09	0.03	0.38	-0.12	0.17	0.39	0.13	0.03	-0.01	0.01	0.05	-0.07	0.03
2018 Apr	1.49	-0.02	0.27	0.09	0.15	0.08	-0.04	-0.10	1.35	0.20	0.02	0.03	0.30	-0.10	0.13	0.52	0.28	0.03	0.01	-0.01	0.01	-0.10	0.02
2018 May	1.50	-0.02	0.09	0.00	0.16	-0.05	-0.03	0.06	1.37	0.42	0.04	0.07	0.33	-0.09	0.11	0.41	0.14	0.03	0.03	-0.03	0.03	-0.12	0.01
2018 Jun	1.44	-0.02	0.14	-0.05	0.22	-0.03	-0.01	0.07	1.24	0.29	0.10	0.14	0.22	-0.09	0.08	0.36	0.16	0.04	0.03	-0.02	0.04	-0.09	-0.01
2018 Jul	1.79	-0.02	0.19	0.03	0.16	0.02	-0.01	0.12	1.50	0.42	0.09	0.08	0.27	-0.08	0.09	0.44	0.16	0.04	0.02	-0.02	0.05	-0.08	-0.02
2018 Aug	1.58	-0.03	0.19	0.07	0.13	0.00	0.00	0.00	1.42	0.38	0.10	0.09	0.35	-0.07	0.07	0.41	0.11	0.05	0.01	0.00	0.03	-0.13	-0.01
2018 Sep	1.41	-0.03	-0.07	0.00	0.00	-0.04	-0.02	0.16	1.34	0.27	0.07	0.09	0.38	-0.06	0.12	0.38	0.05	0.04	0.01	0.05	0.03	-0.12	-0.01
2018 Oct	1.68	-0.02	-0.11	0.00	-0.10	0.01	-0.03	0.21	1.59	0.34	0.09	0.09	0.26	-0.04	0.16	0.50	0.08	0.03	0.03	0.07	0.01	-0.05	0.00
2018 Nov	1.53	-0.02	-0.18	-0.01	-0.13	-0.03	-0.02	0.11	1.61	0.40	0.10	0.08	0.28	-0.04	0.16	0.39	0.05	0.02	0.04				