

Statistical bulletin

GDP monthly estimate, UK: July 2020

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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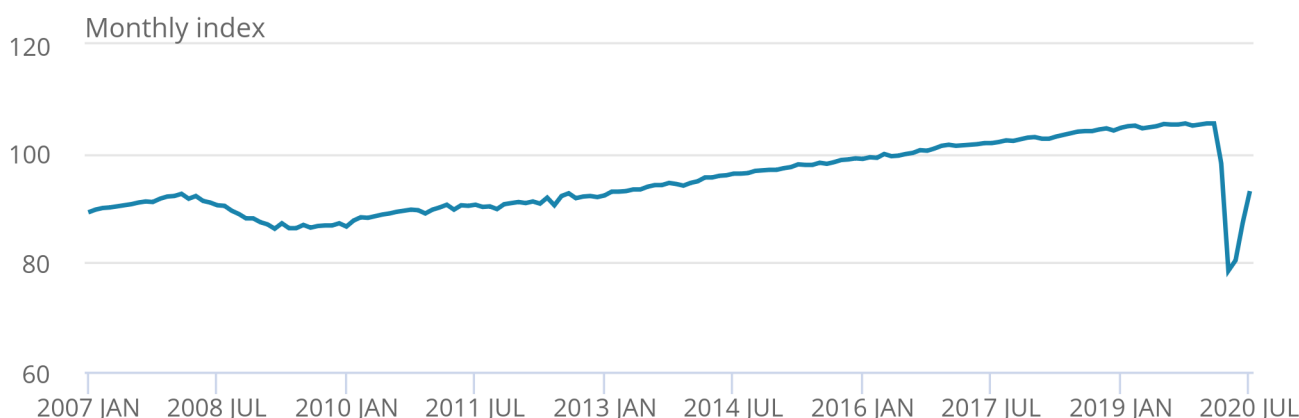
1 . UK GDP grew by 6.6% in July 2020

Figure 1: Gross domestic product (GDP) grew by 6.6% in July 2020, the third consecutive monthly increase, but it has still only recovered just over half of the lost output caused by the coronavirus

Monthly index, January 2007 to July 2020

Figure 1: Gross domestic product (GDP) grew by 6.6% in July 2020, the third consecutive monthly increase, but it has still only recovered just over half of the lost output caused by the coronavirus

Monthly index, January 2007 to July 2020



Source: Office for National Statistics – GDP monthly estimate

GDP estimates for July 2020 are subject to [more uncertainty than usual](#) as a result of the challenges we faced estimating GDP in the current conditions.

Statistician's comment

Commenting on today's GDP figures for July, ONS director of economic statistics Darren Morgan said:

"While it has continued steadily on the path towards recovery, the UK economy still has to make up nearly half of the GDP lost since the start of the pandemic.

"Education grew strongly as some children returned to school, while pubs, campsites and hairdressers all saw notable improvements. Car sales exceeded pre-crisis levels for the first time with showrooms having a particularly busy time.

“All areas of manufacturing, particularly distillers and car makers, saw improvements, while housebuilding also continued to recover. However, both production and construction remain well below previous levels.”

Monthly gross domestic product (GDP) grew by 6.6% in July 2020 as lockdown measures continued to ease, following growth of 8.7% in June and 2.4% in May and a record fall of 20.0% in April 2020.

July 2020 GDP is now 18.6% higher than its April 2020 low. However, it remains 11.7% below the levels seen in February 2020, before the full impact of the coronavirus pandemic. For more detail on the monthly data, please refer to [Section 3](#).

2 . GDP fell by 7.6% in the three months to July 2020, with declines across all main sectors of the economy

Figure 2: GDP fell by 7.6% in the three months to July, following two consecutive quarterly falls

UK gross domestic product (GDP) growth, Quarter 1 (Jan to Mar) 2005 until May to July 2020

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 Sep), Q4 refers to Quarter 4 (Oct to Dec).
2. Rolling three-month estimates are calculated by comparing gross domestic product (GDP) in a three-month period with GDP in the previous three-month period. For example, GDP May to July compared with the previous February to April.

Download the data

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Gross domestic product (GDP) fell by 7.6% in the three months to July 2020 following two consecutive quarterly falls, as government restrictions on movement dramatically reduced economic activity.

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

3 . In July, monthly GDP was 11.7% lower than the pre-pandemic levels seen in February 2020

Monthly gross domestic product (GDP) grew by 6.6% in July 2020, following growth of 8.7% in June 2020. Despite this, the level of output did not fully recover from the record falls seen across March and April 2020 and was still 11.7% below the levels seen in February 2020, before the full impact of the coronavirus (COVID-19) pandemic.

Looking ahead, results from [Wave 12](#) of the Business Impact of COVID-19 Survey (BICS), which covered the dates 10 to 23 August 2020, found that of businesses currently trading, 47% reported their turnover had decreased below what is normally expected for August.

Table 1: Breakdown of GDP and its components' growth rates by month

	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	Change in GDP (February 2020 to July 2020)	Rolling three-month growth (May to July 2020)
GDP	0.0%	-6.9%	-20.0%	2.4%	8.7%	6.6%	-11.7%	-7.6%
Index of Services	0.0%	-7.5%	-18.5%	1.5%	7.7%	6.1%	-12.6%	-8.1%
Index of Production	0.4%	-4.3%	-20.4%	6.2%	9.3%	5.2%	-7.0%	-3.5%
Manufacturing	0.9%	-5.2%	-24.6%	8.3%	11.0%	6.3%	-8.7%	-4.4%
Construction	-1.8%	-5.4%	-40.2%	7.6%	23.6%	17.6%	-11.6%	-10.6%
Agriculture	0.0%	-0.9%	-5.7%	1.0%	2.7%	1.1%	-2.0%	-1.1%

Source: Office for National Statistics – GDP monthly estimate

Notes

1. Change in gross domestic product (GDP) refers to the level change from February 2020 to July 2020.
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 May to July compared with the previous February to April.

The monthly growth rate for GDP is volatile. It should therefore 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.

4 . The services sector remained 12.6% lower than the level in February 2020, before the main impacts of the coronavirus were seen

Figure 3: All subsectors of services showed an increase in growth in July 2020, but output did not recover to the pre-COVID-19 levels of February 2020

Monthly output (March, April, May, June and July 2020) as a proportion of February 2020, February 2020 output = 100%

Notes:

1. Chart shows the March, April, May, June and July output as a proportion of February 2020 where February output equals 100%.
2. Public administration and defence output saw marginal positive growth across March, April, May, June and July 2020, so output to February 2020 is over 100%.

Download the data

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In July 2020, the services sector grew by 6.1%, following growth of 7.7% in June. The largest positive contributors to this increase were:

- education, which grew by 21.1% as some children returned to school
- wholesale, retail and repair of motor vehicles subsector (in particular, the motor vehicles industry), which recovered to above its February 2020 level after seeing record low levels of output in April and May
- accommodation and food service activities, which grew by 140.8% as lockdown measures eased; however, the level of output was 60.1% lower than its February 2020 level

Despite an increase of 6.1% in services, the level of services output was 12.6% lower than the level in February 2020 before the main impacts of the coronavirus (COVID-19) were seen.

Looking at the rolling three-month growth, services output fell by 8.1% in July 2020, following falls of 19.9% in June, 18.5% in May and 10.5% in April. This was driven by falls in nearly every industry, most notably:

- health, which fell by 23.6% as a result of reduced activity in elective operations and fewer accident and emergency visits
- food and beverage service activities, which fell by 60.1% as a result of the closure of bars and restaurants
- education, which fell by 14.3% as a result of school closures
- accommodation, which fell by 69.2% as a result of the closure of hotels and other short-stay accommodation

5 . The production sector remained 7.0% lower than the level in February 2020, before the main impacts of the coronavirus were seen

Figure 4: All sub-sectors of manufacturing showed an increase in growth in July 2020, but output had still not recovered to the pre-COVID-19 levels of February 2020

Monthly output (March, April, May, June and July 2020) as a proportion of February 2020, February 2020 output = 100%

Notes:

1. Chart shows the March, April, May, June and July output as a proportion of February 2020 where February output equals 100%.
2. The volatile manufacture of basic pharmaceuticals industry had higher output in April, May, June and July 2020 than February 2020, so the proportion is over 100%.

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Production grew by 5.2% in July 2020, with manufacturing growing by 6.3%. The manufacturing sector saw all 13 subsectors increasing, following large falls across March and April 2020. Despite growth in the latest month, production output was 7.0% lower than the level in February 2020, with manufacturing 8.7% lower.

Looking at the rolling three-month growth, output in the production sector fell by 3.5% in July 2020, following falls of 16.9% in June, 15.5% in May and 9.0% in April. This was driven by falls in three out of the four subsectors:

- manufacturing, which fell by 4.4% as a result of 10 out of 13 subsectors falling; the most notable was the manufacture of transport equipment, which fell by 19.1% as [many factories remained closed](#)
- electricity, gas, steam and air conditioning supply, which fell by 3.2% as a result of falling industrial demand for electricity caused by the temporary closures of businesses
- water supply, which fell by 0.7% as a result of a decline in industrial and commercial waste, resulting directly from business closures

Mining and quarrying saw growth of 2.8% in the three months to July as quarrying recovered across May, June and July 2020 after a low levels of output in March and April.

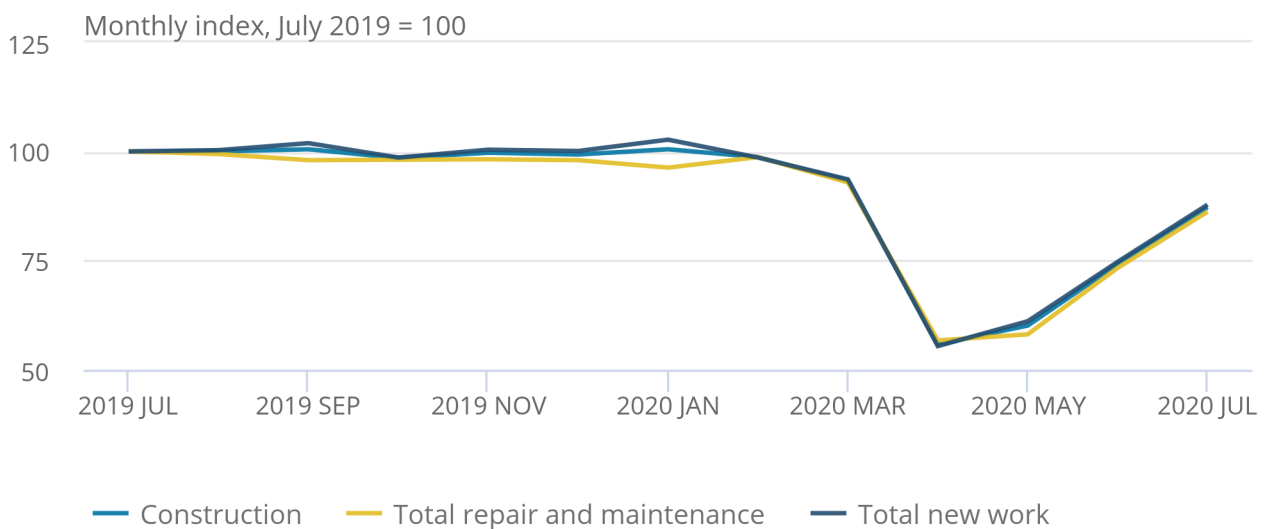
6 . The construction sector remains 11.6% lower than the level in February 2020, before the main impacts of the coronavirus were seen

Figure 5: Construction grew by 17.6% in June 2020, however the level of output remains 11.6% lower than February 2020, before the pandemic

Monthly index, July 2019 to July 2020, July 2019 = 100

Figure 5: Construction grew by 17.6% in June 2020, however the level of output remains 11.6% lower than February 2020, before the pandemic

Monthly index, July 2019 to July 2020, July 2019 = 100



Source: Office for National Statistics - Construction output in Great Britain

Month-on-month, output in construction grew by 17.6%, following growth of 23.6% in June and 7.6% in May and a record fall of 40.2% in April 2020. This increase was driven by new housing and in particular private new housing (18.1% weight to construction), which grew by 30.3% after large declines in March and April.

Despite growth in the construction sector, output remains 11.6% lower than the level in February 2020 before the full impact of the coronavirus (COVID-19).

On a rolling three-month basis, the construction sector shrank by 10.6% in July 2020, following a record fall of 35% in June. The largest contributors to this fall were private new housing and private housing repair and maintenance, which fell by 17.0% and 17.9%, respectively.

7 . Things you need to know about this release

Coronavirus (COVID-19)

This release captures the direct effects of the coronavirus (COVID-19) pandemic and the government measures taken to reduce transmission of the virus. We have faced an increased number of challenges in producing monthly and quarterly estimates of UK gross domestic product (GDP) for June. More detailed information on the challenges and the steps taken to mitigate those can be found in [Coronavirus and the effects on UK GDP](#).

As a result of these challenges, GDP estimates for July 2020 are subject to more uncertainty than usual.

It is important to note that while in the short run we have faced challenges to collect the information required to produce the Monthly Business Survey (MBS), response rates have improved since the first published estimate, as shown in Table 2.

Table 2: Breakdown of components response rates for Monthly Business Survey (MBS)

May MBS response rates

	First March estimate	Current estimate
Index of Services	79.0%	94.1%
Index of Production	71.7%	94.7%
Construction	54.4%	72.7%

May MBS response rates

	First April estimate	Current estimate
Index of Services	84.4%	93.1%
Index of Production	79.8%	94.3%
Construction	65.5%	84.4%

May MBS response rates

	First May estimate	Current Estimate
Index of Services	86.4%	92.5%
Index of Production	88.4%	93.6%
Construction	70.4%	81.6%

June MBS response rates

	First June estimate	Current Estimate
Index of Services	75.2%	88.1%
Index of Production	75.3%	88.5%
Construction	66.0%	79.2%

July MBS response rates

	First June estimate
Index of Services	77.9%
Index of Production	81.0%
Construction	72.5%

Source: Office for National Statistics - GDP monthly estimate

Notes:

1. Table shows Monthly Business Survey (MBS) turnover response rates.
2. Response rate for all months, both questionnaire and turnover, can be found in [Index of Production](#), [Index of Services](#), and [Construction](#).

Construction response rates for March are lower than usual as the MBS was collected by paper before moving online in April. For more information, please refer to the [Construction release](#).

Communicating gross domestic product

[Recent analysis](#) explains our latest position on how we are looking to communicate GDP, including how we will continue to acknowledge that “technical” recessions are comprised of at least two consecutive quarters of contracting GDP.

While it is still true that these early estimates are prone to revision, we prefer to focus on the magnitude of the contraction that has taken place following the coronavirus pandemic. It is clear that the contraction in GDP in Quarter 2 (Apr to June) was in the largest recession on record. Our latest estimates show that the UK economy was 11.7% smaller in July than it was in February, the effects of which have been most pronounced in those industries that are most exposed to public health restrictions and the effects of social distancing.

Blue Book 2020

Each year, we produce an annual update to the UK National Accounts in the [Blue Book](#) and [Pink Book](#) and the associated releases. As already announced, the Blue Book and Pink Book 2020 consistent datasets will be published on 30 September 2020 as part of the [quarterly national accounts](#).

Details have already been provided on the scope in the article [Latest developments and changes to be implemented in Blue Book and Pink Book 2020](#). Indicative impacts on headline GDP components for the years 1997 to 2018 were published on 20 July 2020 in the article [Impact of Blue Book 2020 changes on current price and volume estimates of gross domestic product](#).

The next monthly publication on 9 October 2020 will incorporate revisions consistent with Blue Book 2020, where the reference year and last base year for all chained volume measure series will be updated to 2018.

8 . Quality and methodology

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

9 . Related links

[Construction output in Great Britain: July 2020](#)

Bulletin | Released 11 September 2020

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

[Index of Production, UK: July 2020](#)

Bulletin | Released 11 September 2020

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

[Index of Services, UK: July 2020](#)

Bulletin | Released 11 September 2020

Monthly movements in output for the services industries.

[Coronavirus and the impact on output in the UK economy, UK: July 2020](#)

Article | Released 11 September 2020

Analysis of monthly growth for the production, services and construction industries in the UK economy between 2020, highlighting the impact from the coronavirus (COVID-19) pandemic.

[Coronavirus and the effects on GDP](#)

Article | Released 6 May 2020

How the global coronavirus pandemic and the wider containment efforts are expected to impact on UK gross domestic product (GDP) as well as some of the challenges that National Statistical Institutes are likely to face.

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 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 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
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	94.8	96.3	98.0	96.7	98.1	102.0	100.8	98.4	101.6	106.5	84.0
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	102.0	105.7	101.7	101.7	102.2	98.2	102.0	106.4	101.7	102.5	101.8	102.4	104.8	99.1	99.0	104.5	104.0	100.8	101.2	101.0	103.2	101.1	101.6
2018	103.7	102.5	102.5	107.1	103.1	96.7	102.5	106.4	103.7	105.7	103.6	104.9	110.1	98.1	99.6	109.7	108.1	101.6	101.9	101.5	104.6	101.6	105.4
2019	105.1	101.4	101.3	108.5	101.3	95.0	104.2	108.5	105.5	108.7	105.9	107.4	116.2	95.1	100.3	112.3	111.4	103.8	104.6	103.1	105.1	101.6	97.8
	ECY2	ECY3	ECY4	ECY5	ECY6	ECY7	ECY8	ECY9	ECYC	ECYD	ECYG	ECYH	ECYI	ECYJ	ECYK	ECYL	ECYP	ECYQ	ECYR	ECYS	ECYT	ECYU	ECYV
2018 Jul	104.0	101.7	103.2	111.1	103.5	97.2	104.3	107.2	103.9	107.2	104.1	105.9	109.1	97.9	99.7	110.2	108.4	102.1	101.8	101.2	103.4	102.5	106.5
Aug	104.1	101.8	103.1	112.1	103.3	97.0	104.0	106.8	104.1	107.1	104.5	104.7	111.8	97.6	99.6	110.3	108.4	102.4	101.9	101.5	103.9	102.6	107.7
Sep	104.1	102.4	102.5	108.0	103.0	94.9	104.3	107.6	104.2	106.3	104.6	105.1	113.3	97.4	99.5	110.7	108.0	102.3	102.1	101.8	104.9	101.0	107.6
Oct	104.4	103.0	102.4	111.4	102.5	96.2	103.7	108.2	104.5	106.9	105.3	106.3	112.1	97.2	99.8	111.4	110.0	102.1	102.4	101.9	106.4	101.2	107.6
Nov	104.6	103.0	102.2	107.9	102.6	95.7	103.2	107.8	104.8	107.8	105.5	107.2	112.9	96.9	99.7	112.0	110.1	102.1	102.7	102.0	105.6	100.3	106.5
Dec	104.2	102.0	101.6	107.3	102.1	94.6	102.9	105.7	104.5	106.6	105.6	106.8	113.8	96.4	99.8	110.9	109.4	102.5	103.1	102.2	106.8	99.3	105.8
2019 Jan	104.7	101.7	102.5	105.2	103.2	96.7	102.1	107.9	104.8	108.1	106.0	107.9	115.0	95.7	99.8	109.9	110.5	103.1	103.5	102.3	105.2	98.4	103.8
Feb	105.0	101.4	102.6	107.8	103.7	93.1	102.1	110.1	105.1	108.3	106.0	108.2	115.3	95.1	99.9	111.1	111.4	103.5	103.8	102.4	105.2	99.6	102.5
Mar	105.1	101.3	102.7	113.1	105.0	92.4	102.5	108.9	105.1	108.7	106.4	107.5	114.5	94.7	100.0	111.2	111.4	103.7	103.9	102.4	105.2	99.6	99.7
Apr	104.6	101.2	100.5	108.1	100.4	95.4	102.9	108.9	105.0	108.8	106.3	106.6	115.9	94.4	100.1	110.6	110.4	103.7	104.0	102.5	103.4	99.3	98.1
May	104.8	101.2	101.5	108.6	101.3	95.9	105.3	108.9	105.1	108.9	105.7	106.5	115.5	94.6	100.3	110.7	111.0	103.7	104.3	102.7	103.1	100.4	95.4
Jun	105.0	101.3	101.4	108.0	101.2	96.3	105.0	107.2	105.5	108.4	105.3	108.9	117.1	95.1	100.2	112.4	110.5	103.6	104.6	103.1	106.1	101.0	94.2
Jul	105.4	101.4	101.2	107.3	101.4	94.9	104.2	108.7	105.9	108.9	107.4	108.1	117.6	95.5	100.2	112.9	112.2	103.7	104.6	103.4	104.0	102.4	96.6
Aug	105.3	101.5	100.5	107.6	100.6	93.1	105.3	108.7	105.9	109.2	106.2	106.8	116.1	95.8	100.3	113.4	111.4	103.8	104.7	103.6	106.4	103.2	96.5
Sep	105.3	101.4	100.5	114.6	100.1	92.7	105.5	109.3	105.8	109.0	105.3	106.1	117.5	95.2	100.4	113.4	110.9	103.9	104.8	103.7	104.0	103.8	96.0
Oct	105.5	101.3	100.9	106.8	100.7	96.3	104.7	107.0	106.2	109.6	106.3	106.5	117.5	95.6	100.6	114.4	111.5	104.4	105.0	103.5	103.9	104.4	96.3
Nov	105.1	101.3	100.0	108.8	99.1	97.6	105.2	108.4	105.8	108.3	104.8	107.6	115.6	94.6	100.5	113.3	112.6	104.4	105.5	103.6	107.0	104.0	96.5
Dec	105.3	101.4	99.8	106.5	99.2	95.7	105.6	108.0	106.1	108.1	105.2	107.9	116.8	94.6	100.8	114.1	113.3	104.5	106.0	103.7	107.2	103.3	97.8
2020 Jan	105.5	101.5	100.0	107.7	99.8	92.0	106.7	109.3	106.2	109.4	106.4	107.1	113.8	94.9	101.0	113.7	113.8	104.6	106.5	103.6	107.9	104.3	97.9
Feb	105.5	101.6	100.3	107.4	100.7	91.1	104.7	107.3	106.2	108.6	105.3	107.6	115.1	95.6	101.1	114.6	112.5	104.7	106.6	103.3	107.7	104.0	97.1
Mar	98.2	100.7	96.0	100.1	95.4	89.8	105.4	101.5	98.2	97.9	91.8	73.6	113.7	95.4	100.7	112.2	100.9	104.7	84.4	90.7	93.7	86.4	92.5
Apr	78.5	94.9	76.4	91.0	71.9	81.9	98.0	60.7	80.1	70.8	64.5	10.0	99.7	90.6	98.1	90.6	73.2	104.9	61.8	71.2	56.3	50.2	50.4
May	80.4	95.8	81.1	96.6	77.9	81.8	98.5	65.3	81.2	80.1	68.3	10.6	98.0	91.9	97.6	87.4	72.4	105.1	64.6	71.9	50.9	52.1	51.7
Jun	87.3	98.4	88.7	104.7	86.4	85.2	102.5	80.7	87.5	101.7	79.7	17.8	104.6	93.0	97.3	92.9	82.6	105.1	68.7	73.6	64.5	55.3	60.0
Jul	93.1	99.5	93.3	105.4	91.9	87.4	105.0	94.9	92.8	108.9	86.7	43.0	107.6	94.2	98.0	96.4	86.2	105.3	83.2	76.8	74.0	78.6	69.5
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
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	1.1	-2.0	0.2	3.7	7.1	3.9	2.0	4.2	-1.3	1.5	5.4	3.8	2.0	3.4	1.9	-1.9	-0.8	1.6	-1.6	-6.1	19.0
2017	2.0	5.7	1.7	1.7	2.2	-1.8	2.0	6.4	1.7	2.5	1.8	2.4	4.8	-0.9	-1.0	4.5	4.0	0.8	1.2	1.0	3.2	1.1	1.6
2018	1.6	-3.0	0.8	5.3	0.9	-1.6	0.5	0.0	2.0	3.2	1.8	2.5	5.1	-1.1	0.6	4.9	3.9	0.9	0.7	0.4	1.4	0.4	3.7
2019	1.4	-1.1	-1.3	1.3	-1.7	-1.8	1.7	1.9	1.8	2.8	2.2	2.4	5.5	-3.0	0.6	2.4	3.1	2.2	2.6	1.6	0.4	0.1	-7.2
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
2018 Jul	0.9	-0.8	0.0	4.4	0.3	-6.7	3.2	2.1	0.9	2.7	2.3	2.2	1.2	-1.0	0.1	1.2	1.4	0.8	0.5	0.0	0.4	0.8	1.5
Aug	0.8	-0.7	0.7	4.9	0.5	-1.8	3.1	2.0	0.8	2.2	2.2	1.4	1.3	-1.1	0.0	1.0	1.5	1.1	0.3	0.1	-0.4	0.4	1.9
Sep	0.7	-0.3	0.6	3.2	0.1	1.6	1.8	1.1	0.7	1.4	1.4	0.5	2.4	-1.0	-0.1	1.3	0.6	1.0	0.3	0.3	-0.6	-0.4	2.3
Oct	0.5	0.4	0.0	2.3	-0.5	1.7	0.4	0.7	0.6	0.3	1.0	0.0	3.1	-0.9	-0.1	1.4	0.7	0.6	0.4	0.5	0.8	-0.9	2.1
Nov	0.4	1.0	-0.7	-0.7	-0.8	-0.6	-0.6	0.8	0.6	0.2	0.9	0.9	2.5	-0.8	0.0	1.5	0.9	0.1	0.6	0.6	1.6	-1.8	0.7
Dec	0.3	0.7	-0.9	-1.4	-0.8	-0.9	-0.9	0.0	0.5	0.2	1.0	1.5	1.4	-0.8	0.1	1.0	1.5	0.0	0.8	0.5	2.1	-1.7	-0.6
2019 Jan	0.2	-0.2	-0.6	-3.3	-0.3	-0.4	-1.2	-0.4	0.4	0.7	0.9	1.9	1.3	-1.1	0.1	0.1	1.1	0.3	0.9	0.4	0.8	-2.2	-2.1
Feb	0.2	-1.1	-0.1	-2.1	0.3	-0.8	-1.3	0.0	0.3	0.6	0.7	1.4	1.7	-1.4	0.2	-0.7	1.0	0.8	1.0	0.4	0.1	-1.7	-3.0
Mar	0.5	-1.2	0.9	-0.1	1.5	-1.5	-1.0	1.6	0.4	1.1	0.6	1.0	1.8	-1.7	0.2	-0.7	1.2	1.2	1.0	0.3	-1.0	-1.0	-4.3
Apr	0.4	-0.9	0.2	2.7	0.4	-2.1	-0.2	2.1	0.3	1.0	0.5	0.1	1.2	-1.7	0.2	0.0	1.0	1.1	0.8	0.3	-1.2	0.2	-5.0
May	0.2	-0.5	-0.3	3.0	-0.8	-0.2	1.2	1.0	0.2	1.1	0.3	-0.7	0.5	-1.3	0.3	0.2	0.4	0.7	0.6	0.2	-1.8	0.7	-6.0
Jun	-0.1	-0.2	-1.8	-0.4	-2.9	1.9	2.1	-0.6	0.2	0.4	-0.3	-0.5	1.1	-0.5	0.3	0.4	-0.4	0.2	0.5	0.4	-0.9	1.0	-6.0
Jul	0.2	0.0	-0.9	-1.6	-1.7	2.2	2.3	-0.9	0.4	0.2	-0.1	0.4	1.3	0.3	0.2	0.9	0.2	0.0	0.6	0.6	-0.2	1.8	-4.7
Aug	0.4	0.2	-0.8	-2.1	-1.1	0.2	1.2																

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 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	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
2018 Jul	1.8	-3.6	1.5	4.9	1.9	-4.4	2.9	0.9	2.0	4.1	2.4	2.4	3.7	-1.2	0.9	5.0	4.3	0.7	0.6	-0.2	1.9	1.2	1.2
Aug	2.0	-4.0	1.7	6.5	1.8	-2.3	3.6	0.8	2.1	4.0	2.9	2.6	4.2	-1.3	0.8	5.0	4.4	1.2	0.7	0.1	1.7	1.1	1.7
Sep	1.9	-4.1	1.1	6.9	1.0	-2.3	2.9	0.8	2.2	4.0	2.7	2.7	5.5	-1.3	0.8	4.9	3.7	1.6	0.8	0.4	1.4	0.0	2.3
Oct	1.9	-3.6	0.3	5.6	0.0	-2.1	2.5	1.4	2.3	3.6	2.8	3.6	5.8	-1.1	0.8	4.9	3.6	1.5	1.0	0.9	1.8	-0.8	4.2
Nov	1.9	-2.9	-0.5	2.3	-0.7	-2.4	1.8	1.6	2.4	3.7	3.0	4.5	5.8	-1.1	0.7	5.0	3.4	1.3	1.3	1.3	2.2	-1.0	5.0
Dec	1.8	-2.5	-0.9	8.2	-1.4	-3.1	1.3	0.0	2.4	3.9	3.3	4.5	5.5	-1.3	0.6	4.8	3.1	1.3	1.7	1.4	2.3	-0.8	5.5
2019 Jan	1.6	-2.4	-0.7	7.0	-1.3	-2.4	1.6	-0.7	2.2	4.2	3.6	4.4	6.1	-2.1	0.5	3.3	2.6	1.6	2.1	1.2	2.0	-1.7	3.9
Feb	1.7	-2.2	-0.6	9.0	-0.9	-4.3	2.0	0.5	2.2	4.2	3.9	4.7	7.0	-3.1	0.5	2.8	3.2	2.1	2.4	1.1	2.0	-1.7	2.1
Mar	2.1	-1.7	0.1	6.5	0.4	-6.0	2.1	3.5	2.3	4.8	4.5	4.8	7.1	-4.0	0.4	2.6	4.2	2.6	2.6	1.1	1.6	-2.3	-0.9
Apr	2.0	-1.4	-0.4	6.1	-0.1	-7.4	2.1	4.4	2.3	4.7	4.8	4.3	7.0	-4.5	0.4	2.7	4.3	2.8	2.6	1.2	0.7	-2.2	-3.6
May	1.7	-1.3	-0.4	5.0	-0.7	-3.5	2.4	3.8	1.9	4.2	4.1	2.9	6.2	-4.4	0.5	2.0	3.8	2.7	2.5	1.3	-0.5	-2.5	-6.5
Jun	1.4	-1.0	-1.2	1.1	-2.1	1.0	2.0	2.1	1.8	3.1	2.8	2.6	6.8	-4.0	0.5	2.1	2.9	2.4	2.6	1.6	-0.4	-2.2	-8.5
Jul	1.3	-0.7	-1.3	0.0	-2.1	1.3	1.2	1.4	1.8	2.2	2.3	2.4	7.1	-3.2	0.5	2.4	3.0	2.0	2.7	1.8	0.2	-1.3	-9.5
Aug	1.3	-0.4	-2.0	-2.0	-2.4	-1.5	0.5	1.1	1.8	2.0	2.0	2.5	6.4	-2.5	0.5	2.9	2.7	1.6	2.7	2.0	1.5	-0.5	-10.1
Sep	1.2	-0.5	-2.1	-0.5	-2.5	-2.9	0.8	1.6	1.7	2.0	1.8	1.7	5.1	-2.1	0.7	2.6	3.0	1.5	2.7	2.0	0.7	1.1	-10.1
Oct	1.1	-1.0	-1.9	-0.8	-2.4	-2.1	1.1	0.7	1.6	2.3	-1.1	1.0	4.1	-1.9	0.8	2.6	2.2	1.7	2.6	1.9	-0.3	2.2	-10.6
Nov	0.9	-1.4	-1.8	0.9	-2.7	-0.1	1.4	0.3	1.4	1.8	0.3	0.5	3.6	-2.1	0.9	2.1	2.1	2.0	2.6	1.6	-0.6	3.2	-10.2
Dec	0.9	-1.3	-1.8	-1.4	-2.7	1.1	1.9	0.5	1.4	1.4	0.0	0.5	3.3	-2.0	0.9	2.2	2.4	2.2	2.7	1.5	-0.3	3.6	-9.1
2020 Jan	0.8	-0.8	-2.1	0.8	-3.2	-0.6	3.0	1.3	1.3	1.0	-0.2	0.2	1.3	-1.7	1.0	2.5	2.9	1.9	2.8	1.4	1.4	4.6	-7.5
Feb	0.7	-0.2	-2.2	0.4	-3.0	-2.0	3.2	0.3	1.3	0.9	-0.2	-0.1	0.5	-0.8	1.1	3.2	2.5	1.5	2.8	1.2	1.8	4.8	-6.1
Mar	-1.8	-0.2	-4.1	-3.4	-5.1	-3.3	3.3	-2.7	-1.4	-2.8	-4.7	-10.9	-0.6	0.2	1.0	2.5	-1.9	1.2	-4.4	-3.1	-2.0	-1.0	-6.0
Apr	-10.4	-2.2	-11.1	-9.3	-13.3	-6.5	0.2	-17.8	-9.7	-14.9	-17.9	-40.7	-5.0	-0.9	0.0	-4.7	-14.0	1.1	-18.9	-13.7	-17.9	-19.4	-20.0
May	-18.3	-4.0	-17.1	-12.8	-20.0	-10.7	-2.8	-30.4	-17.7	-23.8	-29.5	-70.6	-10.0	-2.0	-1.4	-12.7	-25.9	1.1	-32.5	-24.0	-35.6	-36.9	-33.6
Jun	-21.7	-4.8	-18.8	-10.0	-22.0	-13.5	-4.5	-36.4	-21.2	-22.5	-33.0	-88.1	-13.2	-3.0	-2.5	-18.8	-31.2	1.3	-37.6	-29.7	-45.1	-47.6	-43.6
Jul	-17.3	-3.4	-13.5	-5.3	-15.7	-11.4	-2.7	-25.8	-17.4	-10.9	-26.3	-77.9	-11.4	-2.1	-2.6	-17.7	-27.7	1.5	-30.9	-28.1	-39.5	-38.8	-36.7

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
2018 Jul	0.3	-0.2	0.3	4.4	-0.3	3.1	-0.3	0.1	0.3	1.1	0.2	0.6	0.1	-0.4	0.0	1.3	-0.2	0.4	0.1	0.0	-1.2	-0.5	1.1
Aug	0.1	0.1	-0.2	0.9	-0.2	-0.2	-0.2	-0.3	0.2	-0.1	0.3	-1.2	2.5	-0.2	-0.1	0.1	0.0	0.2	0.1	0.2	0.5	0.2	1.2
Sep	0.0	0.6	-0.6	-3.6	-0.2	-2.2	0.2	0.8	0.0	-0.7	0.1	0.4	1.3	-0.3	-0.1	0.3	-0.3	-0.1	0.2	0.3	0.9	-1.6	-0.1
Oct	0.3	0.6	-0.1	3.1	-0.5	1.3	-0.5	0.5	0.3	0.5	0.7	1.1	-1.1	-0.1	0.2	0.7	1.8	-0.2	0.3	0.2	1.4	0.2	0.0
Nov	0.1	0.0	-0.2	-3.1	0.1	-0.5	-0.6	-0.4	0.2	0.9	0.2	0.9	0.7	-0.4	-0.1	0.5	0.1	0.0	0.3	0.1	-0.7	-0.9	-1.0
Dec	-0.4	-1.0	-0.5	-0.6	-0.5	-1.2	-0.3	-1.9	-0.2	-1.1	0.1	-0.4	0.9	-0.5	0.1	-1.0	-0.7	0.3	0.3	0.1	1.1	-0.9	-0.7
2019 Jan	0.5	-0.3	0.9	-2.0	1.1	2.3	-0.7	2.1	0.3	1.4	0.4	1.0	1.0	-0.7	0.1	-0.9	1.1	0.6	0.4	0.1	-1.5	-0.9	-1.9
Feb	0.3	-0.3	0.1	2.5	0.5	-3.7	0.0	2.1	0.2	0.1	0.0	0.3	0.2	-0.6	0.0	1.1	0.8	0.5	0.3	0.1	-0.1	1.2	-1.3
Mar	0.1	-0.1	1.1	4.9	1.2	-0.8	0.4	-1.1	0.0	0.4	0.3	-0.7	-0.7	-0.5	0.1	0.1	0.0	0.2	0.1	0.0	0.0	0.0	-2.7
Apr	-0.5	-0.1	-3.2	-4.4	-4.3	3.3	0.4	0.0	-0.1	0.1	-0.1	-0.8	1.2	-0.2	0.1	-0.5	-0.9	0.0	0.1	0.0	-1.7	-0.4	-1.6
May	0.2	0.0	1.0	0.4	0.9	0.4	2.4	0.1	0.1	0.1	-0.6	-0.1	-0.4	0.2	0.0	0.6	-0.1	0.2	0.2	0.2	-0.3	1.2	-2.7
Jun	0.2	0.1	-0.1	-0.5	-0.1	0.5	-0.4	-1.6	0.4	-0.5	-0.4	2.3	1.4	0.5	-0.1	1.6	-0.4	0.0	0.3	0.4	3.0	0.6	-1.2
Jul	0.4	0.1	-0.1	-0.6	0.2	-1.5	-0.7	1.4	0.4	0.4	2.0	-0.8	0.4	0.4	0.1	0.5	1.5	0.0	0.0	0.3	-2.0	1.4	2.6
Aug	-0.1	0.1	-0.7	0.2	-0.8	-1.9	1.1	0.0	-0.1	0.3	-1.1	-1.3	-1.3	0.3	0.1	0.5	-0.7	0.1	0.1	0.2	2.3	0.8	-0.1
Sep	0.0	-0.1	0.0	6.5	-0.4	-0.4	0.1	0.6	-0.1	-0.2	-0.8	-0.6	1.2	-0.6	0.1	-0.1	-0.4	0.1	0.2	0.0	-2.2	0.6	-0.6
Oct	0.2	-0.1	0.4	-6.8	0.6	3.9	-0.7	-2.1	0.4	0.5	0.9	0.4	0.0	0.3	0.3	0.9	0.5	0.5	0.1	-0.1	-0.1	0.6	0.3
Nov	-0.3	0.0	-0.9	1.9	-1.6	1.3	0.5	1.2	-0.4	-1.1	-1.4	1.0	-1.5	-1.0	-0.1	-0.9	1.0	0.0	0.5	0.1	3.0	-0.4	0.3
Dec	0.2	0.1	-0.2	-2.1	0.1	-2.0	0.4	-0.3	0.3	-0.2	0.4	0.2	1.0	0.0	0.2	0.7	0.6	0.1	0.5	0.1	0.2	-0.6	1.4
2020 Jan	0.2	0.1	0.2	1.1	0.6	-3.9	1.0	1.2	0.1	1.2	1.1	-0.7	-2.5	0.4	0.2	-0.3	0.4	0.1	0.5	-0.1	0.7	1.0	0.1
Feb	0.0	0.0	0.4	-0.2	0.9	-1.0	-1.9	-1.8	0.0	-0.7	-1.0	0.5	1.1	0.7	0.2	0.8	-1.1	0.1	0.1	-0.2	-0.2	-0.3	-0.8
Mar	-6.9	-0.9	-4.3	-6.9	-5.2	-1.4	0.7	-5.4	-7.5	-9.9	-12.9	-31.6	-1.2	-0.5	-2.1	-10.4	0.0	-20.8	-12.3	-13.0	-16.9	-4.8	
Apr	-20.0	-5.7	-20.4	-9.1	-24.6	-8.8	-7.0	-40.2	-18.5	-27.6	-29.7	-86.4	-12.3	-2.5	-19.2	-27.4	0.2	-26.7	-21.4	-40.0	-41.9	-45.5	
May	2.4	1.0	6.2	6.1	8.3	-0.1	0.5	7.6	1.5	13.1	5.9	5.9	-1.7	1.4	-0.6	-3.6	-1.0	0.1	4.6	1.0	-9.5	3.8	2.4
Jun	8.7	2.7	9.3	8.4	11.0	4.1	4.1	23.5	7.7	27.0	16.7	68.2	6.7	1.2	-0.3	6.3	14.1	0.1	6.3	2.3	26.7	6.1	16.2
Jul	6.6	1.1	5.2	0.7	6.3	2.7	2.4	17.6	6.1	7.0	8.7	140.8	2.8	1.3	0.7	3.7	4.3	0.1	21.1	4.4	14.8	42.1	15.8

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.

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 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	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
2018 Jul	2.1	-4.1	1.9	7.9	1.8	-1.1	2.6	1.5	2.3	4.8	2.8	1.8	4.1	-1.5	0.9	5.5	4.4	1.4	0.8	0.1	1.2	1.8	0.8
Aug	2.0	-4.3	1.6	10.3	1.2	-1.7	3.5	-0.1	2.3	4.0	2.8	2.4	5.9	-1.3	0.7	4.9	4.0	1.7	0.8	0.4	0.9	-0.4	3.4
Sep	1.7	-3.9	-0.2	2.5	-0.1	-4.1	2.5	1.0	2.1	3.1	2.6	3.9	6.5	-1.2	0.8	4.3	2.8	1.6	0.9	0.7	2.1	-1.5	2.8
Oct	2.1	-2.5	-0.6	4.3	-1.2	-0.5	1.5	3.3	2.5	3.7	2.9	4.5	5.1	-0.8	0.8	5.6	4.1	1.3	1.4	1.6	2.4	-0.5	6.6
Nov	1.9	-2.2	-0.8	0.0	-0.9	-2.6	1.3	0.7	2.5	4.4	3.6	4.9	5.9	-1.3	0.5	5.1	3.4	1.1	1.7	1.4	2.2	-0.8	5.7
Dec	1.2	-2.8	-1.1	23.2	-2.0	-6.0	1.1	-3.6	2.1	3.7	3.6	4.0	5.3	-1.9	0.6	3.6	1.9	1.4	2.0	1.2	2.4	-1.2	4.3
2019 Jan	1.6	-2.2	-0.2	0.8	-0.9	1.4	2.4	1.0	2.0	4.2	3.6	4.2	7.1	-3.2	0.5	1.2	2.6	2.2	2.5	1.0	1.4	-3.1	1.7
Feb	2.3	-1.7	-0.3	5.2	0.2	-8.0	2.5	4.4	2.6	4.3	4.5	6.0	8.5	-4.3	0.4	3.7	5.2	2.7	2.7	1.1	2.1	-0.8	0.3
Mar	2.3	-1.4	0.9	13.7	1.8	-10.8	1.4	5.2	2.4	5.5	5.4	4.3	5.8	-4.6	0.4	3.0	4.7	3.0	2.6	1.1	1.3	-2.8	-4.6
Apr	1.5	-1.3	-1.8	-0.1	-2.2	-3.3	2.4	3.8	1.9	4.5	4.4	2.6	6.7	-4.6	0.4	1.5	3.1	2.8	2.5	1.3	-1.2	-2.8	-6.5
May	1.4	-1.1	-0.4	2.0	-1.7	4.5	3.3	2.5	1.6	2.6	2.6	1.7	6.1	-4.1	0.5	1.5	3.7	2.4	2.5	1.5	-1.6	-1.8	-8.6
Jun	1.3	-0.6	-1.5	1.5	-2.5	2.2	0.4	0.1	1.8	2.3	1.3	3.4	7.5	-3.2	0.5	3.3	1.8	1.9	2.7	1.9	1.4	-1.9	-10.6
Jul	1.4	-0.3	-2.0	-3.4	-2.0	-2.4	-0.1	1.4	2.0	1.6	3.1	2.1	7.8	-2.4	0.5	2.5	3.5	1.5	2.7	2.1	0.6	-0.1	-9.2
Aug	1.1	-0.3	-2.5	-4.0	-2.6	-4.0	1.3	1.8	1.7	2.0	1.6	2.0	3.9	-1.8	0.7	2.8	2.8	1.4	2.7	2.1	2.4	0.6	-10.4
Sep	1.1	-1.0	-1.9	6.1	-2.8	-2.3	1.2	1.5	1.6	2.5	0.7	1.0	3.7	-2.2	0.9	2.4	2.7	1.6	2.6	1.9	-0.9	2.8	-10.8
Oct	1.0	-1.6	-1.4	-4.1	-1.8	0.1	1.0	-1.1	1.6	2.5	0.9	0.2	4.8	-1.7	0.9	2.6	1.3	2.2	2.5	1.6	-2.4	3.2	-10.5
Nov	0.5	-1.7	-2.1	0.8	-3.4	1.9	2.0	0.6	1.0	0.4	-0.7	0.3	2.4	-2.4	0.9	1.1	2.2	2.3	2.7	1.5	1.3	3.7	-9.3
Dec	1.1	-0.6	-1.8	-0.7	-2.8	1.2	2.6	2.2	1.5	1.3	-0.4	1.0	2.6	-1.9	1.0	2.9	3.6	2.0	2.8	1.5	0.3	4.0	-7.5
2020 Jan	0.8	-0.2	-2.4	2.4	-3.3	-4.9	4.5	1.3	1.3	1.2	0.4	-0.7	-1.0	-0.8	1.1	3.5	2.9	1.5	2.9	1.3	2.6	6.0	-5.7
Feb	0.4	0.1	-2.2	-0.4	-2.9	-2.2	2.5	-2.6	1.1	0.3	-0.7	-0.6	-0.1	0.5	1.3	3.2	1.0	1.1	2.7	0.9	2.4	4.4	-5.2
Mar	-6.6	-0.6	-7.5	-11.5	-9.1	-2.8	2.9	-6.8	-6.5	-10.0	-13.7	-31.5	-0.7	0.8	0.7	0.9	-9.5	0.9	-18.8	-11.5	-10.9	-13.2	-7.2
Apr	-25.0	-6.2	-24.0	-15.8	-28.4	-14.2	-4.7	-44.2	-23.8	-34.9	-39.3	-90.6	-14.0	-4.0	-2.0	-18.1	-33.7	1.1	-40.6	-30.5	-45.6	-49.4	-48.6
May	-23.3	-5.3	-20.0	-11.1	-23.1	-14.7	-6.5	-40.0	-22.7	-26.5	-35.4	-90.0	-15.1	-2.8	-2.7	-21.0	-34.7	1.4	-38.0	-29.9	-50.6	-48.1	-45.8
Jun	-16.8	-2.9	-12.5	-3.0	-14.6	-11.6	-2.3	-24.8	-17.1	-6.2	-24.3	-83.6	-10.7	-2.2	-2.9	-17.3	-25.2	1.5	-34.3	-28.6	-39.3	-45.2	-36.3
Jul	-11.7	-1.9	-7.8	-1.8	-9.4	-7.8	0.7	-12.7	-12.4	0.0	-19.3	-60.3	-8.6	-1.3	-2.2	-14.7	-23.1	1.6	-20.5	-25.7	-28.8	-23.2	-28.1

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

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 ⁴	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 ³

2018 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
2020 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Percentage change, latest 3 months on same 3 months a year ago ³

2018 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
2020 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

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.

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 ⁴	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 ³

2018 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
2020 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Percentage change, latest month on same month a year ago ³

2018 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
2020 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

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.

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

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
2018 Jul	0.86	-0.01	0.00	0.03	0.03	-0.10	0.04	0.13	0.73	0.28	0.09	0.06	0.08	-0.07	0.02	0.09	0.08	0.04	0.03	0.00	0.01	0.01	0.00
Aug	0.85	0.00	0.10	0.04	0.05	-0.03	0.04	0.12	0.63	0.23	0.09	0.04	0.09	-0.08	0.00	0.08	0.08	0.05	0.02	0.01	-0.01	0.01	0.01
Sep	0.66	0.00	0.08	0.03	0.01	0.02	0.02	0.06	0.52	0.14	0.06	0.02	0.17	-0.07	-0.01	0.10	0.03	0.05	0.02	0.02	-0.01	-0.01	0.01
Oct	0.50	0.00	-0.01	0.02	-0.05	0.02	0.01	0.04	0.46	0.03	0.04	0.00	0.22	-0.06	-0.01	0.11	0.04	0.03	0.02	0.04	0.01	-0.02	0.01
Nov	0.41	0.01	-0.10	-0.01	-0.08	-0.01	-0.01	0.05	0.45	0.03	0.04	0.02	0.18	-0.05	-0.01	0.11	0.05	0.01	0.03	0.04	0.03	-0.03	0.00
Dec	0.30	0.00	-0.12	-0.01	-0.08	-0.01	-0.01	0.00	0.41	0.03	0.04	0.04	0.10	-0.06	0.01	0.08	0.08	0.00	0.04	0.04	0.03	-0.03	0.00
2019 Jan	0.24	0.00	-0.08	-0.03	-0.03	-0.01	-0.02	-0.03	0.34	0.08	0.04	0.05	0.10	-0.08	0.01	0.01	0.06	0.01	0.05	0.03	0.01	-0.04	-0.01
Feb	0.25	-0.01	-0.01	-0.02	0.03	-0.01	-0.02	0.00	0.27	0.07	0.03	0.04	0.12	-0.10	0.02	-0.05	0.05	0.04	0.06	0.03	0.00	-0.03	-0.01
Mar	0.52	-0.01	0.12	0.00	0.15	-0.02	-0.01	0.10	0.31	0.12	0.03	0.03	0.13	-0.12	0.02	-0.05	0.06	0.06	0.05	0.02	-0.02	-0.02	-0.01
Apr	0.42	-0.01	0.03	0.03	0.04	-0.03	0.00	0.12	0.27	0.10	0.02	0.00	0.08	-0.11	0.03	0.00	0.05	0.05	0.05	0.02	-0.02	0.00	-0.01
May	0.20	0.00	-0.04	0.03	-0.07	0.00	0.01	0.06	0.19	0.11	0.01	-0.02	0.04	-0.09	0.04	0.01	0.02	0.03	0.04	0.02	-0.03	0.01	-0.02
Jun	-0.12	0.00	-0.24	0.00	-0.28	0.03	0.03	-0.03	0.16	0.04	-0.01	-0.01	0.08	-0.03	0.04	0.03	-0.02	0.01	0.03	0.03	-0.02	0.02	-0.02
Jul	0.17	0.00	-0.12	-0.01	-0.16	0.03	0.03	-0.06	0.35	0.02	0.00	0.01	0.10	0.02	0.03	0.07	0.01	0.00	0.03	0.05	0.00	0.03	-0.01
Aug	0.39	0.00	-0.11	-0.02	-0.11	0.00	0.02	-0.04	0.54	0.00	0.01	0.03	0.11	0.06	0.01	0.15	0.02	0.00	0.03	0.06	0.02	0.04	-0.01
Sep	0.49	0.00	-0.04	0.01	-0.03	-0.03	0.01	0.03	0.50	0.03	0.02	-0.01	0.06	0.06	0.01	0.14	0.04	0.01	0.02	0.06	0.01	0.05	0.00
Oct	0.24	0.00	-0.09	0.01	-0.08	-0.02	0.00	0.00	0.33	0.05	-0.01	-0.04	0.02	0.03	0.03	0.12	0.00	0.02	0.02	0.04	0.01	0.04	0.00
Nov	0.04	0.00	-0.08	0.02	-0.10	0.01	0.00	0.00	0.11	0.01	-0.03	-0.03	-0.01	-0.02	0.04	0.05	0.01	0.03	0.03	0.02	-0.01	0.03	0.00
Dec	-0.02	0.00	-0.07	-0.02	-0.10	0.04	0.00	-0.06	0.11	-0.04	-0.03	0.01	-0.03	-0.04	0.05	0.05	0.03	0.04	0.00	0.02	0.01	0.01	0.00
2020 Jan	-0.04	0.00	-0.10	-0.02	-0.11	0.02	0.01	0.10	0.05	-0.07	-0.02	0.03	-0.10	-0.06	0.04	0.00	0.09	0.02	0.06	0.00	0.04	0.00	0.00
2019 Feb	0.12	0.00	-0.06	-0.02	-0.01	-0.04	0.01	0.00	0.18	-0.03	0.01	0.02	-0.10	-0.01	0.06	0.03	0.08	0.02	0.07	0.00	0.04	0.00	0.00
Mar	-2.16	0.00	-0.19	-0.02	-0.10	-0.09	0.00	-0.10	-1.87	-0.33	-0.17	-0.29	-0.15	0.03	0.04	-0.03	-0.16	0.01	-0.35	-0.32	-0.04	-0.09	0.00
Apr	-10.71	-0.02	-1.18	-0.07	-0.95	-0.12	-0.04	-1.06	-8.44	-1.58	-0.72	-1.15	-0.37	-0.06	-0.10	-0.55	-0.86	0.01	-1.21	-1.12	-0.33	-0.38	-0.05
May	-18.74	-0.03	-2.04	-0.09	-1.72	-0.14	-0.06	-1.83	-14.81	-2.52	-1.22	-2.00	-0.72	-0.16	-0.28	-1.22	-1.51	0.01	-2.01	-1.89	-0.62	-0.65	-0.09
Jun	-20.35	-0.03	-2.24	-0.07	-1.93	-0.14	-0.07	-2.15	-15.90	-2.11	-1.23	-2.24	-0.86	-0.25	-0.43	-1.67	-1.64	0.02	-1.94	-2.04	-0.72	-0.74	-0.12
Jul	-7.56	-0.01	-0.47	0.02	-0.42	-0.05	-0.01	-0.60	-6.46	0.49	-0.40	-1.18	-0.43	-0.06	-0.34	-1.07	-0.83	0.02	-0.75	-1.18	-0.39	-0.32	-0.06

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
2018 Jul	1.84	-0.03	0.20	0.04	0.19	-0.06	0.04	0.05	1.61	0.43	0.10	0.07	0.26	-0.09	0.12	0.38	0.22	0.03	0.04	-0.01	0.03	0.02	0.00
Aug	1.95	-0.03	0.23	0.05	0.18	-0.03	0.05	0.05	1.70	0.42	0.12	0.07	0.29	-0.09	0.11	0.38	0.23	0.06	0.04	0.01	0.03	0.02	0.00
Sep	1.93	-0.03	0.15	0.05	0.10	-0.03	0.04	0.05	1.76	0.42	0.11	0.08	0.38	-0.09	0.11	0.37	0.19	0.08	0.05	0.03	0.02	0.00	0.01
Oct	1.93	-0.03	0.04	0.04	0.00	-0.03	0.03	0.08	1.84	0.38	0.11	0.10	0.40	-0.08	0.11	0.38	0.19	0.08	0.06	0.07	0.03	-0.01	0.01
Nov	1.91	-0.02	-0.07	0.02	-0.07	-0.03	0.02	0.10	1.91	0.39	0.12	0.12	0.40	-0.08	0.09	0.38	0.18	0.07	0.08	0.09	0.04	-0.02	0.01
Dec	1.75	-0.02	-0.12	0.06	-0.14	-0.04	0.02	0.00	1.89	0.41	0.14	0.12	0.38	-0.09	0.08	0.36	0.16	0.06	0.10	0.10	0.04	-0.01	0.02
2019 Jan	1.59	-0.02	-0.10	0.06	-0.13	-0.04	0.02	-0.04	1.76	0.44	0.15	0.12	0.42	-0.15	0.07	0.25	0.14	0.08	0.12	0.09	0.03	-0.03	0.01
Feb	1.73	-0.02	-0.08	0.08	-0.09	-0.07	0.03	0.03	1.78	0.44	0.16	0.13	0.48	-0.22	0.06	0.22	0.17	0.10	0.14	0.08	0.03	-0.03	0.01
Mar	2.08	-0.01	0.02	0.06	0.04	-0.09	0.03	0.21	1.86	0.50	0.19	0.13	0.49	-0.29	0.06	0.20	0.22	0.13	0.15	0.08	0.03	-0.04	0.00
Apr	2.03	-0.01	-0.05	0.05	-0.01	-0.11	0.03	0.27	1.82	0.50	0.20	0.12	0.49	-0.32	0.05	0.21	0.23	0.14	0.15	0.09	0.01	-0.04	-0.01
May	1.71	-0.01	-0.06	0.05	-0.07	-0.05	0.03	0.23	1.55	0.44	0.17	0.08	0.43	-0.32	0.06	0.15	0.20	0.13	0.15	0.10	-0.01	-0.04	-0.02
Jun	1.37	-0.01	-0.17	0.01	-0.21	0.02	0.03	0.13	1.41	0.33	0.11	0.07	0.47	-0.28	0.06	0.16	0.15	0.11	0.15	0.12	-0.01	-0.04	-0.03
Jul	1.33	0.00	-0.18	0.00	-0.20	0.02	0.02	0.08	1.43	0.23	0.10	0.07	0.50	-0.23	0.07	0.19	0.16	0.09	0.15	0.14	0.00	-0.02	-0.03
Aug	1.25	0.00	-0.27	-0.02	-0.23	-0.02	0.01	0.07	1.45	0.21	0.08	0.07	0.45	-0.17	0.07	0.22	0.14	0.08	0.15	0.15	0.02	-0.01	-0.03
Sep	1.19	0.00	-0.29	0.00	-0.25	-0.04	0.01	0.10	1.38	0.22	0.08	0.05	0.36	-0.15	0.09	0.20	0.16	0.07	0.15	0.16	0.01	0.02	-0.03
Oct	1.07	-0.01	-0.26	-0.01	-0.24	-0.03	0.01	0.04	1.29	0.25	0.05	0.03	0.29	-0.13	0.10	0.20	0.12	0.08	0.15	0.14	0.00	0.04	-0.03
Nov	0.88	-0.01	-0.25	0.01	-0.26	0.00	0.02	0.01	1.11	0.19	0.01	0.01	0.26	-0.14	0.11	0.16	0.11	0.10	0.15	0.12	-0.01	0.05	-0.03
Dec	0.87	-0.01	-0.24	-0.01	-0.26	0.02	0.02	0.03	1.09	0.15	0.00	0.01	0.23	-0.14	0.12	0.17	0.13	0.10	0.15	0.12	0.00	0.06	-0.03
2020 Jan	0.80	-0.01	-0.29	0.01	-0.31	-0.01	0.04	0.08	1.00	0.10	-0.01	0.01	0.10	-0.11	0.13	0.19	0.16	0.09	0.16	0.11	0.02	0.07	-0.02
2019 Feb	0.75	0.00	-0.29	0.00	-0.30	-0.03	0.04	0.02	1.02	0.10	-0.01	0.00	0.03	-0.05	0.15	0.25	0.14	0.07	0.16	0.09	0.03	0.08	-0.02
Mar	-1.82	0.00	-0.55	-0.03	-0.51	-0.05	0.04	-0.17	-1.10	-0.30	-0.20	-0.31	-0.04	0.01	0.13	0.20	-0.10	0.06	-0.26	-0.24	-0.03	-0.02	-0.02
Apr	-10.38	-0.01	-1.50	-0.08	-1.30	-0.10	0.00	-1.11	-7.75	-1.59	-0.76	-1.15	-0.36	-0.06	0.00	-0.36	-0.76	0.05	-1.10	-1.04	-0.29	-0.31	-0.06
May	-18.29	-0.03	-2.30	-0.12	-1.95	-0.17	-0.03	-1.88	-14.07	-2.55	-1.24	-1.99	-0.72	-0.13	-0.18	-0.99	-1.41	0.06	-1.89	-1.83	-0.57	-0.59	-0.09
Jun	-21.71	-0.03	-2.51	-0.09	-2.12	-0.21	-0.06	-2.25	-16.89	-2.41	-1.39	-2.50	-0.97	-0.20	-0.33	-1.48	-1.69	0.06	-2.20	-2.27	-0.72	-0.76	-0.12
Jul	-17.29	-0.02	-1.80	-0.05	-1.51	-0.18	-0.03	-1.59	-13.86	-1.16	-1.11	-2.22	-0.84	-0.14	-0.34	-1.39	-1.51	0.07	-1.80	-2.15	-0.63	-0.62	-0.10

CONTRIB 2 Monthly GDP based on GVA (Gross Value Added) ¹
 Contributions to growth of gross value added at basic prices ^{2,3,4,5}

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
2018 Jul	0.27	0.00	0.04	0.04	-0.02	0.04	0.00	0.01	0.22	0.12	0.01	0.02	0.01	-0.03	0.00	0.10	-0.01	0.02	0.00	0.00	-0.02	-0.01	0.00
2018 Aug	0.12	0.00	-0.02	0.01	-0.02	0.00	0.00	-0.02	0.17	-0.01	0.01	-0.03	0.17	-0.02	-0.01	0.01	0.00	0.01	0.01	0.02	0.01	0.00	0.00
2018 Sep	0.01	0.00	-0.08	-0.03	-0.02	-0.03	0.00	0.05	0.03	-0.07	0.01	0.01	0.09	-0.02	-0.01	0.02	-0.02	0.00	0.01	0.02	0.02	-0.03	0.00
2018 Oct	0.29	0.00	-0.01	0.02	-0.05	0.02	-0.01	0.03	0.26	0.06	0.03	0.03	-0.08	-0.01	0.03	0.06	0.10	-0.01	0.02	0.01	0.02	0.00	0.00
2018 Nov	0.13	0.00	-0.03	-0.03	0.01	-0.01	-0.01	-0.03	0.19	0.10	0.01	0.03	0.05	-0.02	-0.01	0.04	0.01	0.00	0.02	0.01	-0.01	-0.02	0.00
2018 Dec	-0.36	-0.01	-0.07	0.00	-0.05	-0.02	0.00	-0.12	-0.16	-0.12	0.00	-0.01	0.06	-0.03	0.02	-0.08	-0.04	0.02	0.02	0.01	0.02	-0.02	0.00
2019 Jan	0.46	0.00	0.11	-0.02	0.10	0.03	-0.01	0.12	0.22	0.15	0.02	0.03	0.07	-0.05	0.01	-0.07	0.06	0.03	0.02	0.01	-0.02	-0.02	-0.01
2019 Feb	0.35	0.00	0.02	0.02	0.05	-0.05	0.00	0.13	0.20	0.02	0.00	0.01	0.02	-0.04	0.00	0.08	0.04	0.02	0.02	0.01	0.00	0.02	0.00
2019 Mar	0.07	0.00	0.15	0.05	0.12	-0.01	0.01	-0.07	-0.01	0.04	0.01	-0.02	-0.05	-0.03	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	-0.01
2019 Apr	-0.48	0.00	-0.43	-0.04	-0.43	0.05	0.00	0.00	-0.05	0.01	0.00	-0.02	-0.09	-0.02	0.01	-0.04	-0.05	0.00	0.01	0.00	-0.03	-0.01	0.00
2019 May	0.20	0.00	0.13	0.00	0.09	0.01	0.03	0.00	0.06	0.01	-0.02	0.00	-0.03	0.01	0.02	0.00	0.03	0.00	0.01	0.02	0.00	0.02	-0.01
2019 Jun	0.21	0.00	-0.01	-0.01	-0.01	0.01	0.00	-0.10	0.32	-0.05	-0.01	0.06	0.10	0.04	-0.02	0.12	-0.02	0.00	0.02	0.03	0.05	0.01	0.00
2019 Jul	0.38	0.00	-0.02	-0.01	0.02	-0.02	-0.01	0.08	0.32	0.05	0.08	-0.02	0.03	0.03	0.01	0.04	0.08	0.00	0.00	0.02	-0.03	0.02	0.01
2019 Aug	-0.14	0.00	-0.09	0.00	-0.08	-0.03	0.01	0.00	-0.05	0.03	-0.05	-0.04	-0.10	0.02	0.01	0.04	-0.04	0.01	0.00	0.02	0.04	0.01	0.00
2019 Sep	-0.02	0.00	0.00	0.06	-0.04	-0.01	0.00	0.03	-0.06	-0.02	-0.03	-0.02	0.08	-0.04	0.01	-0.01	-0.02	0.01	0.01	0.00	-0.04	0.01	0.00
2019 Oct	0.21	0.00	0.05	-0.07	0.06	0.05	-0.01	-0.13	0.00	0.06	0.04	0.01	0.00	0.02	0.03	0.07	0.03	0.02	0.01	-0.01	0.00	0.01	0.00
2019 Nov	-0.34	0.00	-0.12	0.02	-0.15	0.02	0.01	0.07	-0.30	-0.12	-0.06	0.03	-0.11	-0.07	-0.01	-0.07	0.05	0.00	0.03	0.01	0.05	-0.01	0.00
2019 Dec	0.18	0.00	-0.03	-0.02	0.01	-0.03	0.01	-0.02	0.23	-0.02	0.02	0.01	0.07	0.00	0.03	0.06	0.03	0.01	0.03	0.01	0.00	-0.01	0.00
2020 Jan	0.16	0.00	0.02	0.01	0.06	-0.06	0.01	0.07	0.07	0.13	0.04	-0.02	-0.19	0.03	0.03	-0.03	0.02	0.00	0.03	-0.01	0.01	0.02	0.00
2019 Feb	-0.04	0.00	0.05	0.00	0.08	-0.01	-0.02	-0.11	0.03	-0.07	-0.04	0.01	-0.08	0.04	0.02	0.06	-0.06	0.00	0.00	-0.02	0.00	-0.01	0.00
2019 Mar	-6.92	-0.01	-0.57	-0.06	-0.50	-0.02	0.01	-0.33	-6.01	-1.05	-0.54	-0.89	-0.09	-0.01	-0.06	-0.17	-0.57	0.00	-1.23	-0.94	-0.21	-0.28	-0.01
2019 Apr	-20.04	-0.04	-2.76	-0.08	-2.39	-0.14	-0.09	-2.48	-14.73	-2.84	-1.16	-1.79	-0.94	-0.36	-1.63	-1.45	0.01	-1.35	-1.54	-0.61	-0.62	-0.13	0.00
2019 May	2.39	0.01	0.84	0.06	0.76	0.00	0.01	0.35	1.22	0.20	0.12	0.02	-0.14	0.12	-0.10	-0.30	-0.05	0.01	0.21	0.07	-0.11	0.04	0.00
2019 Jun	8.68	0.02	1.30	0.09	1.06	0.07	0.06	1.14	6.21	2.77	0.59	0.25	0.54	0.10	-0.05	0.51	0.65	0.00	0.30	0.16	0.27	0.07	0.03
2019 Jul	6.56	0.01	0.73	0.01	0.62	0.04	0.04	0.97	4.83	0.85	0.33	0.80	0.22	0.10	0.11	0.29	0.21	0.01	0.97	0.29	0.18	0.45	0.03

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
2018 Jul	2.11	-0.03	0.25	0.06	0.18	-0.02	0.03	0.09	1.80	0.50	0.11	0.05	0.28	-0.11	0.12	0.41	0.23	0.07	0.04	0.01	0.02	0.03	0.00
2018 Aug	1.96	-0.03	0.21	0.08	0.12	-0.02	0.04	-0.01	1.80	0.42	0.12	0.07	0.41	-0.09	0.10	0.38	0.21	0.08	0.04	0.03	0.01	-0.01	0.01
2018 Sep	1.71	-0.03	-0.02	0.02	-0.01	-0.06	0.03	0.06	1.70	0.33	0.11	0.11	0.45	-0.09	0.11	0.33	0.15	0.08	0.05	0.06	0.03	-0.02	0.01
2018 Oct	2.11	-0.02	-0.08	0.03	-0.12	-0.01	0.02	0.20	2.01	0.39	0.12	0.13	0.35	-0.05	0.10	0.43	0.21	0.06	0.08	0.12	0.04	-0.01	0.02
2018 Nov	1.92	-0.02	-0.11	0.00	-0.09	-0.04	0.02	0.04	2.01	0.46	0.15	0.14	0.41	-0.09	0.07	0.39	0.18	0.06	0.10	0.11	0.04	-0.01	0.02
2018 Dec	1.24	-0.02	-0.16	0.15	-0.21	-0.09	0.01	-0.23	1.65	0.38	0.15	0.11	0.37	-0.13	0.08	0.28	0.10	0.07	0.12	0.09	0.04	-0.02	0.01
2019 Jan	1.63	-0.02	-0.03	0.01	-0.09	0.02	0.03	0.06	1.61	0.47	0.15	0.12	0.49	-0.23	0.06	0.09	0.14	0.10	0.14	0.08	0.02	-0.05	0.00
2019 Feb	2.32	-0.01	-0.04	0.05	0.02	-0.12	0.03	0.27	2.09	0.45	0.19	0.16	0.58	-0.31	0.05	0.28	0.27	0.13	0.15	0.09	0.03	-0.01	0.00
2019 Mar	2.30	-0.01	0.12	0.12	0.18	-0.17	0.02	0.31	1.87	0.57	0.22	0.12	0.41	-0.33	0.05	0.23	0.25	0.14	0.15	0.09	0.02	-0.05	-0.01
2019 Apr	1.48	-0.01	-0.24	0.00	-0.22	-0.05	0.03	0.23	1.50	0.47	0.18	0.07	0.47	-0.33	0.06	0.11	0.17	0.14	0.14	0.10	-0.02	-0.05	-0.02
2019 May	1.36	-0.01	-0.06	0.02	-0.17	0.06	0.04	0.15	1.27	0.28	0.11	0.05	0.42	-0.29	0.07	0.12	0.20	0.12	0.15	0.12	-0.03	-0.03	-0.02
2019 Jun	1.26	0.00	-0.21	0.01	-0.24	0.03	0.00	0.01	1.46	0.25	0.05	0.10	0.52	-0.23	0.06	0.25	0.09	0.09	0.16	0.14	0.02	-0.03	-0.03
2019 Jul	1.38	0.00	-0.27	-0.03	-0.20	-0.04	0.00	0.09	1.56	0.17	0.13	0.06	0.54	-0.17	0.07	0.19	0.19	0.07	0.16	0.16	0.01	0.00	-0.03
2019 Aug	1.12	0.00	-0.33	-0.04	-0.26	-0.06	0.02	0.11	1.34	0.21	0.07	0.05	0.27	-0.13	0.09	0.22	0.15	0.07	0.15	0.16	0.04	0.01	-0.03
2019 Sep	1.09	-0.01	-0.26	0.06	-0.28	-0.03	0.01	0.09	1.26	0.27	0.03	0.03	0.27	-0.15	0.11	0.19	0.14	0.08	0.15	0.14	-0.01	0.04	-0.03
2019 Oct	1.01	-0.01	-0.19	-0.04	-0.17	0.00	0.01	-0.07	1.28	0.27	0.04	0.01	0.34	-0.12	0.12	0.20	0.07	0.11	0.14	0.12	-0.04	0.05	-0.03
2019 Nov	0.53	-0.01	-0.29	0.01	-0.33	0.03	0.03	0.03	0.79	0.05	-0.03	0.01	0.17	-0.16	0.12	0.09	0.12	0.11	0.15	0.11	0.02	0.06	-0.03
2019 Dec	1.08	0.00	-0.24	-0.01	-0.28	0.02	0.03	0.13	1.18	0.14	-0.01	0.03	0.19	-0.13	0.13	0.22	0.19	0.10	0.16	0.11	0.01	0.06	-0.02
2020 Jan	0.78	0.00	-0.33	0.02	-0.32	-0.08	0.06	0.08	1.02	0.12	0.02	-0.02	-0.07	-0.05	0.15	0.27	0.16	0.07	0.17	0.10	0.04	0.09	-0.02
2019 Feb	0.39	0.00	-0.30	0.00	-0.29	-0.03	0.03	-0.16	0.85	0.03	-0.03	-0.02	-0.01	0.03	0.17	0.25	0.06	0.05	0.15	0.07	0.04	0.07	-0.02
2019 Mar	-6.62	0.00	-1.02	-0.11	-0.91	-0.04	0.03	-0.42	-5.17	-1.06	-0.58	-0.89	-0.05	0.05	-0.08	0.07	-0.51	0.05	-1.09	-0.87	-0.18	-0.21	-0.02
2019 Apr	-24.98	-0.04	-3.19	-0.14	-2.72	-0.23	-0.06	-2.75	-18.97	-3.75	-1.67	-2.56	-1.02	-0.26	-1.42	-1.83	0.06	-2.37	-2.33	-0.73	-0.78	-0.14	0.00
2019 May	-23.33	-0.04	-2.68	-0.10	-2.23	-0.23	-0.08	-2.49	-18.10	-2.84	-1.49	-2.53	-1.10	-0.19	-0.36	-1.64	-1.89	0.07	-2.22	-2.29	-0.80	-0.77	-0.12
2019 Jun	-16.85	-0.02	-1.67	-0.03	-1.41	-0.18	-0.03	-1.51	-13.62	-0.66	-1.02	-2.40	-0.79	-0.15	-0.38	-1.37	-1.36	0.07	-2.00	-2.19	-0.64	-0.73	-0.10
2019 Jul	-11.73	-0.01	-1.04	-0.02	-0.90																		