

Statistical bulletin

# GDP monthly estimate, UK: March 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.



Contact:  
James Scruton  
[gdp@ons.gov.uk](mailto:gdp@ons.gov.uk)  
+44 (0)1633 455284

Release date:  
13 May 2020

Next release:  
12 June 2020

## Table of contents

1. [UK GDP fell by 2.0% in Quarter 1 2020](#)
2. [Nearly all industries contributed to the fall in GDP in Quarter 1 2020](#)
3. [Rolling three-month growth fell by 2.0%, the lowest rate since the three months to December 2008](#)
4. [GDP fell by 5.8% in March 2020](#)
5. [The services sector fell by 1.9% in Quarter 1 2020](#)
6. [Production fell by 2.1% in Quarter 1 2020](#)
7. [Output in the construction sector fell by 2.6% in Quarter 1 2020](#)
8. [Expenditure measure](#)
9. [Income measure](#)
10. [Things you need to know about this release](#)
11. [Quality and methodology](#)
12. [Related links](#)

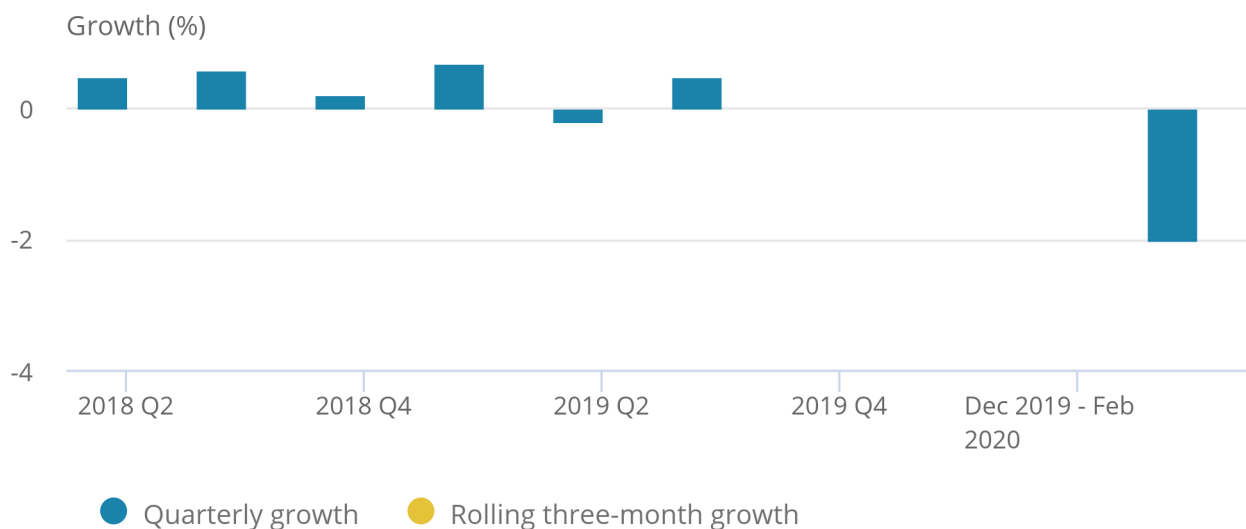
# 1 . UK GDP fell by 2.0% in Quarter 1 2020

**Figure 1: GDP fell by 2.0% in Quarter 1 (Jan to Mar) 2020, signalling the first direct impacts of the coronavirus (COVID-19) on the economy**

UK GDP growth, Quarter 2 (Apr to June) 2018 until Quarter 1 (Jan to Mar) 2020

Figure 1: GDP fell by 2.0% in Quarter 1 (Jan to Mar) 2020, signalling the first direct impacts of the coronavirus (COVID-19) on the economy

UK GDP growth, Quarter 2 (Apr to June) 2018 until Quarter 1 (Jan to Mar) 2020



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) and 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 January to March compared with the previous October to December.

This release captures the first direct effects of the coronavirus (COVID-19) pandemic and the government measures taken to reduce transmission of the virus. The most significant was the introduction of restrictions in movement across the UK, which began on 23 March 2020.

This bulletin provides a broad overview of the economy and the impact of the coronavirus. However, a more detailed analysis of the [impact on the output of businesses](#) has also been published today (13 May 2020).

GDP estimates for March and Quarter 1 (Jan to Mar) 2020 are subject to more uncertainty than usual as a result of the challenges we faced in collecting the data under the governments imposed public health restrictions. Given the uncertainties in estimating the labour market and government intervention to support business, the breakdown of the income approach to GDP should be treated with particular caution.

## **Statistician's comment**

Commenting on today's GDP figures, Jonathan Athow, Deputy National Statistician for Economic Statistics, said:

"With the arrival of the pandemic nearly every aspect of the economy was hit in March, dragging growth to a record monthly fall.

"Services and construction saw record declines on the month with education, car sales and restaurants all falling substantially.

"Although very few industries saw growth, there were some that did including IT support and the manufacture of pharmaceuticals, soaps and cleaning products.

"The pandemic also hit trade globally, with UK imports and exports falling over the last couple of months, including a notable drop in imports from China."

## **2 . Nearly all industries contributed to the fall in GDP in Quarter 1 2020**

### **Figure 2: Breakdown of GDP and its sub-sectors, rolling three-month growth rates and contributions to growth, January to March 2020**

All the headline sectors provided a negative contribution to gross domestic product (GDP) growth in the three months to March 2020. The services sector fell by 1.9%, production by 2.1% and construction by 2.6%. The impacts of the coronavirus (COVID-19) were seen right across the economy, with nearly all sub-sectors falling in the three months to March.

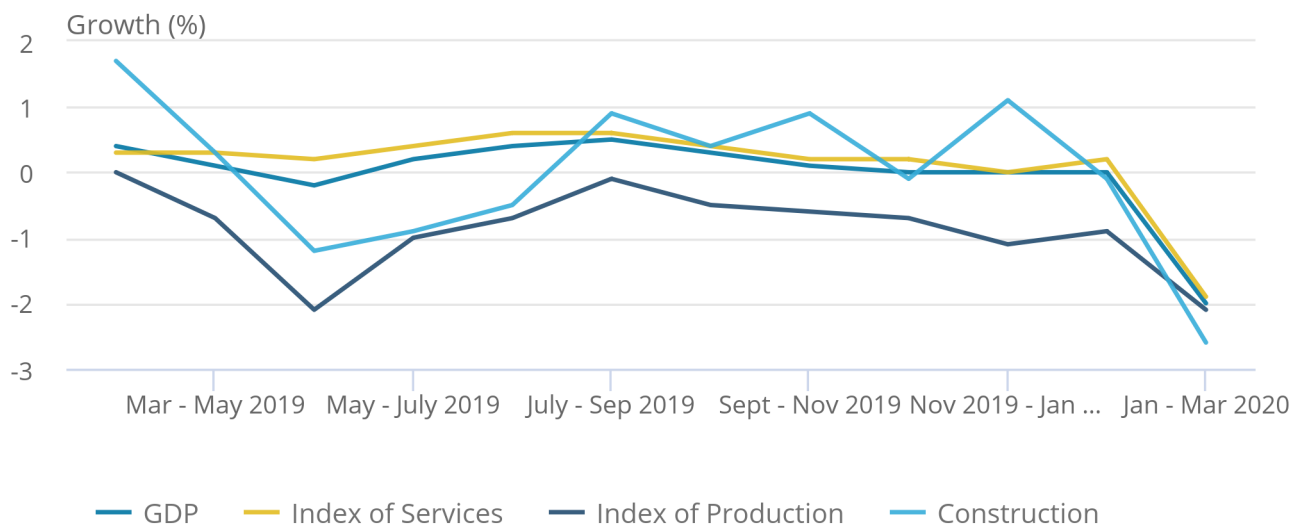
### 3 . Rolling three-month growth fell by 2.0%, the lowest rate since the three months to December 2008

**Figure 3: GDP fell by 2.0% in the three months to March 2020, following no growth in the three months to February**

Growth, three months on previous three months, UK, February to April 2019 until January to March 2020

Figure 3: GDP fell by 2.0% in the three months to March 2020, following no growth in the three months to February

Growth, three months on previous three months, UK, February to April 2019 until January to March 2020



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 January to March compared with the previous October to December.

Rolling three-month growth fell by 2.0% in March 2020, following no output growth in February 2020. All the main sectors in the economy also saw a fall in the most recent period.

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 gross domestic product (GDP), which include information on the expenditure and income approaches to measuring GDP.

## 4 . GDP fell by 5.8% in March 2020

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

	January 2020	February 2020	March 2020	Quarter 1 2020
GDP	0.1%	-0.2%	-5.8%	-2.0%
Index of Services	0.1%	0.0%	-6.2%	-1.9%
Index of Production	-0.1%	-0.1%	-4.2%	-2.1%
Manufacturing	0.1%	0.3%	-4.6%	-1.7%
Construction	0.2%	-2.1%	-5.9%	-2.6%
Agriculture	-0.1%	-0.1%	-0.2%	-0.2%

Source: Office for National Statistics - GDP monthly estimate

Monthly gross domestic product (GDP) fell by 5.8% in March 2020, the biggest monthly fall since the series began in 1997. Services and construction also saw record falls in the most recent month.

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.

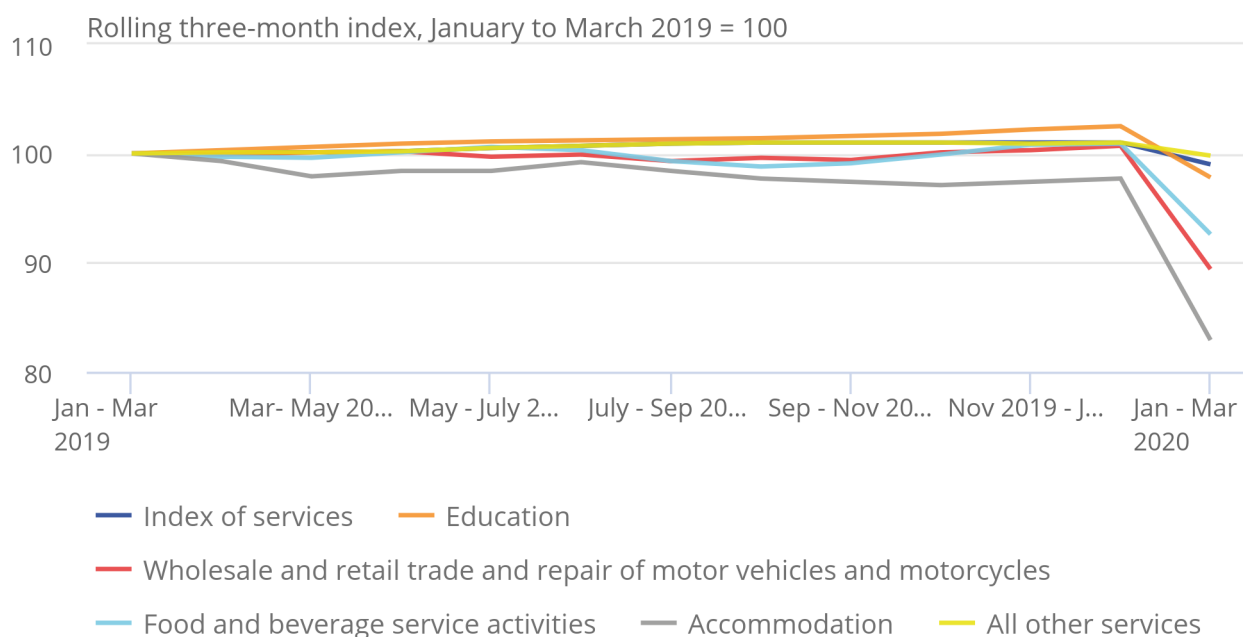
## 5 . The services sector fell by 1.9% in Quarter 1 2020

**Figure 4: Services fell by 1.9% in the three months to March 2020, with widespread falls across the vast majority of industries**

Rolling three-month on three-month index, January to March 2019 until January to March 2020, January to March 2019 = 100

Figure 4: Services fell by 1.9% in the three months to March 2020, with widespread falls across the vast majority of industries

Rolling three-month on three-month index, January to March 2019 until January to March 2020, January to March 2019 = 100



Source: Office for National Statistics – GDP monthly estimate

### Notes:

1. Rolling three-month estimates are calculated by comparing GDP in a three-month period with GDP in the previous three-month period. For example, GDP in January to March compared with the previous October to December.
2. "All other services" accounts for 69% of services. This is made up of a large number of industries, some of which will have grown and some which will have fallen in the three months to March.

Rolling three-month services growth fell by 1.9% in March 2020, following growth of 0.2% in the three months to February 2020. This was driven by falls in nearly every industry, most notably:

- education, which fell by 4.0% as a result of school closures at the end of March
- wholesale and retail trade and repair of motor vehicles and motorcycles, which fell by 10.7%, predominantly driven by a reduction in new car registrations
- food and beverage service activities, which fell by 7.3% as a result of the closure of bars and restaurants towards the end of March
- accommodation, which fell by 14.6% as a result of the closure of hotels and campsites in March
- travel agents, which fell by 23.6% as a result of reduced demand caused by the introduction of travel restrictions in March

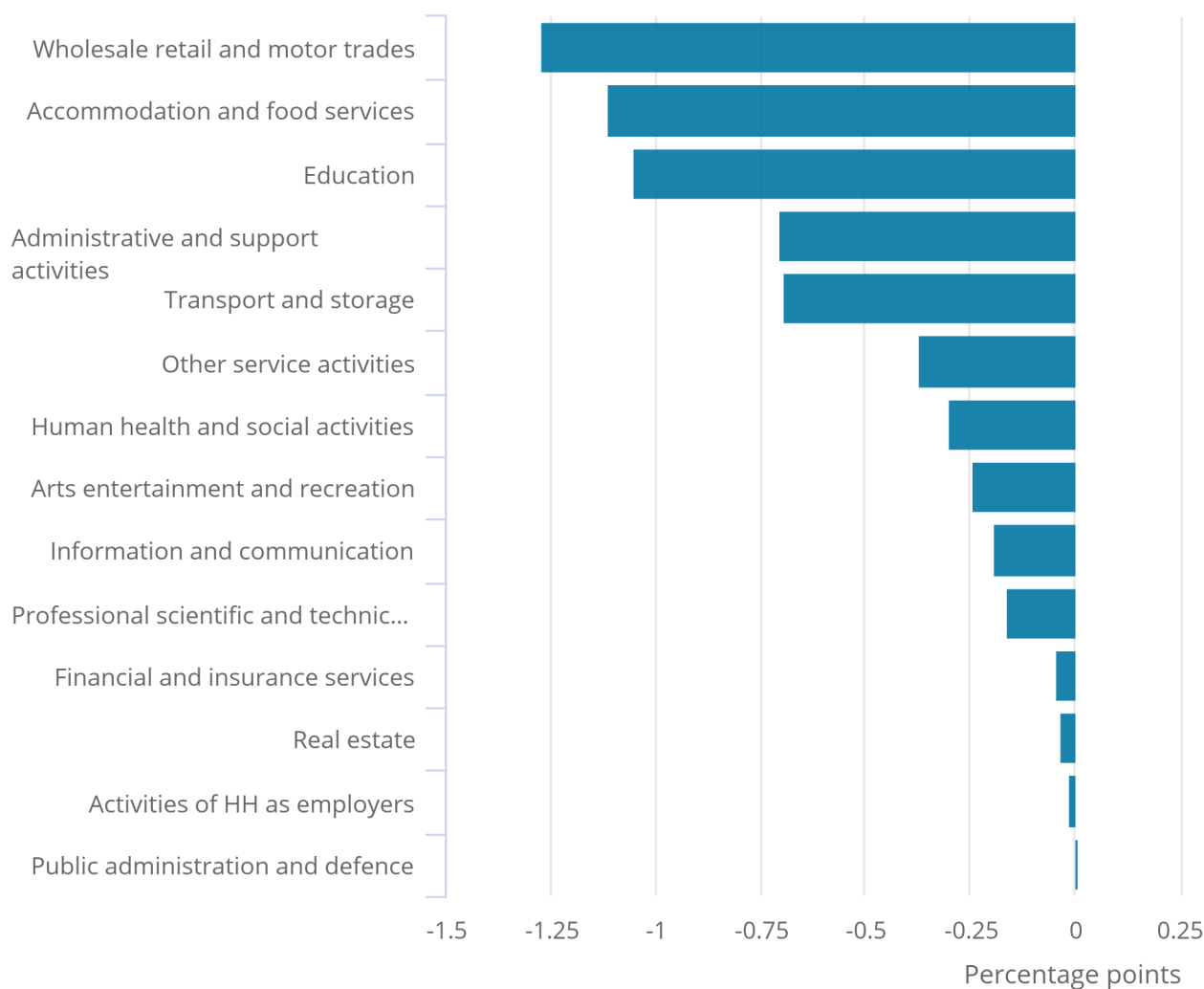
Despite widespread falls, some industries saw growth, the largest of which was computer programming, consultancy and related activities, which grew by 1.4%.

**Figure 5: All but one of the services sub-sectors contributed negatively to growth in March 2020**

Contributions to services growth, month on previous month, UK, March 2020

## Figure 5: All but one of the services sub-sectors contributed negatively to growth in March 2020

Contributions to services growth, month on previous month, UK, March 2020



Source: Office for National Statistics – GDP monthly estimate

Notes:

1. Components contributions may not sum to total because of rounding.



In March 2020, the services sector fell by 6.2%, the largest monthly fall on record. The largest driver to this fall was wholesale, retail and motor trades followed by accommodation and food services, and education. The only positive contribution to growth came from public administration and defence, which grew marginally compared with the previous month.

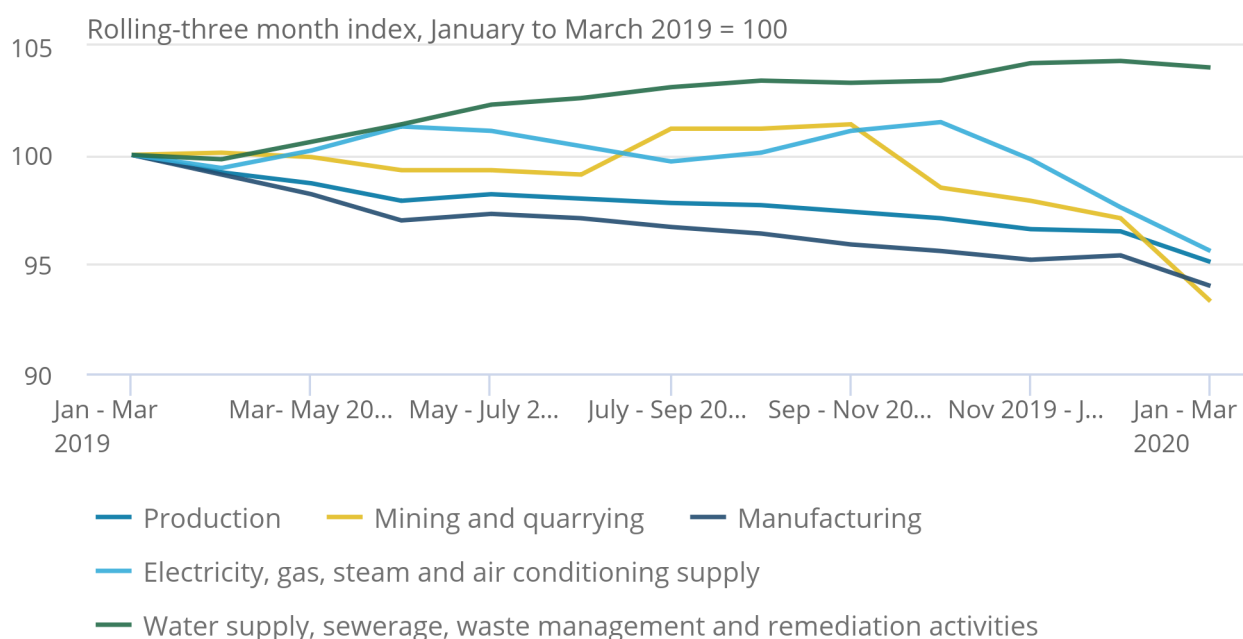
## 6 . Production fell by 2.1% in Quarter 1 2020

**Figure 6: Widespread shut-downs caused production to fall significantly in the three-months to March 2020**

Rolling three-month on three-month index, January to March 2019 until January to March 2020, January to March 2019 = 100

Figure 6: Widespread shut-downs caused production to fall significantly in the three-months to March 2020

Rolling three-month on three-month index, January to March 2019 until January to March 2020, January to March 2019 = 100



Source: Office for National Statistics – GDP monthly estimate

### Notes:

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

Rolling three-month output in the production sector fell by 2.1% in March 2020, with manufacturing falling by 1.7%.

There were widespread falls across manufacturing industries with 9 out of 13 sub-sectors falling. The most notable was the manufacture of transport equipment, which fell by 9.9%. This was partially offset by an increase in the manufacture of basic pharmaceuticals, which grew by 9.2%.

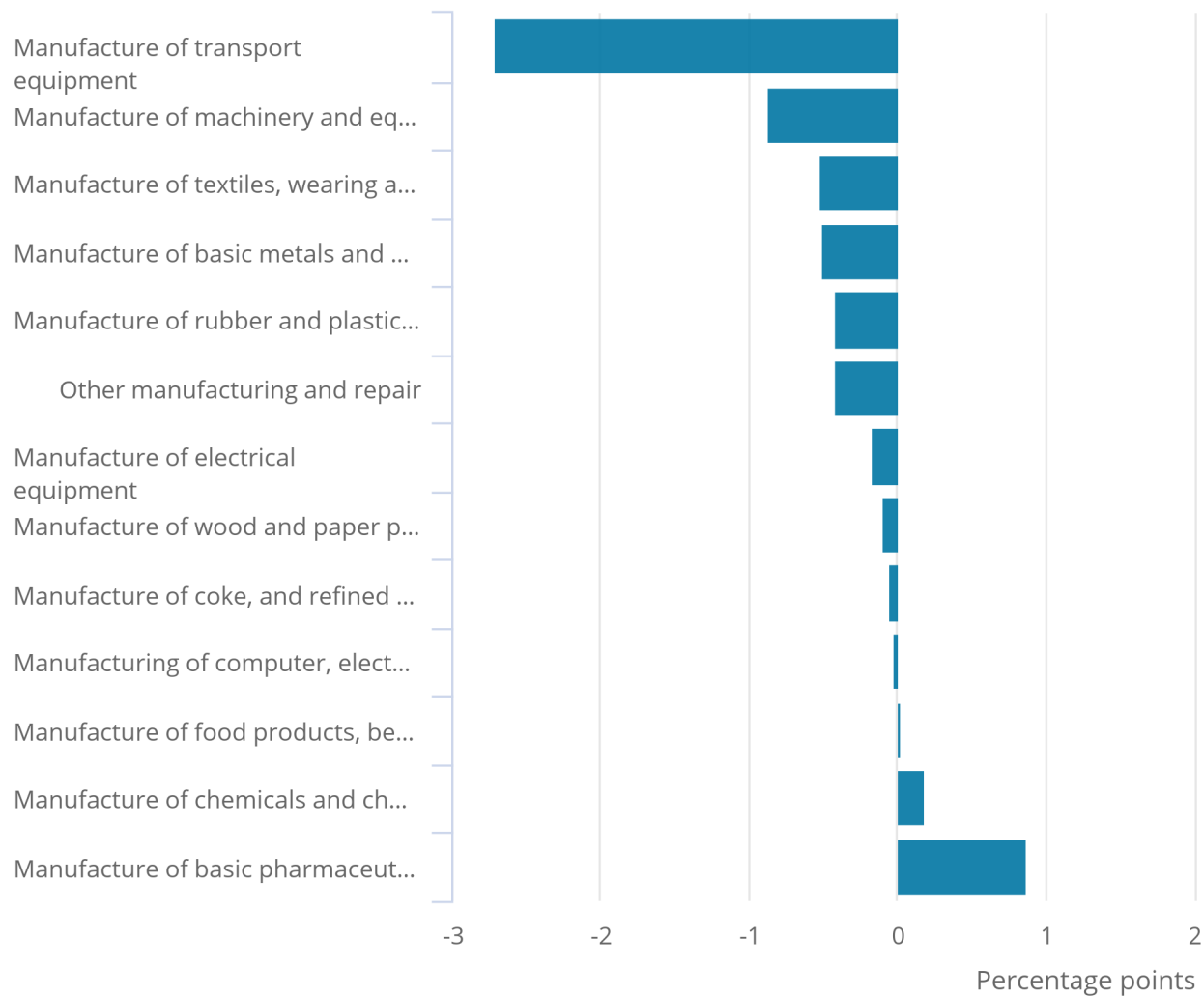
Elsewhere, energy production along with mining and quarrying fell, while water supply increased. The fall in mining and quarrying was largely as a result of widespread maintenance shutdowns within oil and gas extraction.

**Figure 7: Manufacture of transport equipment was the main contributor to the fall in manufacturing in March 2020**

Contributions to manufacturing growth, months on previous month, UK, March 2020

Figure 7: Manufacture of transport equipment was the main contributor to the fall in manufacturing in March 2020

Contributions to manufacturing growth, months on previous month, UK, March 2020



Source: Office for National Statistics – GDP monthly estimate

Notes:

- 1. Components contributions may not sum to total because of rounding.

Production fell by 4.2% in March 2020, with manufacturing falling by 4.6%. The largest cause of this decrease was manufacture of transport equipment, which fell by 20.5% following [COVID-19-led shutdowns on car plants across the UK](#).

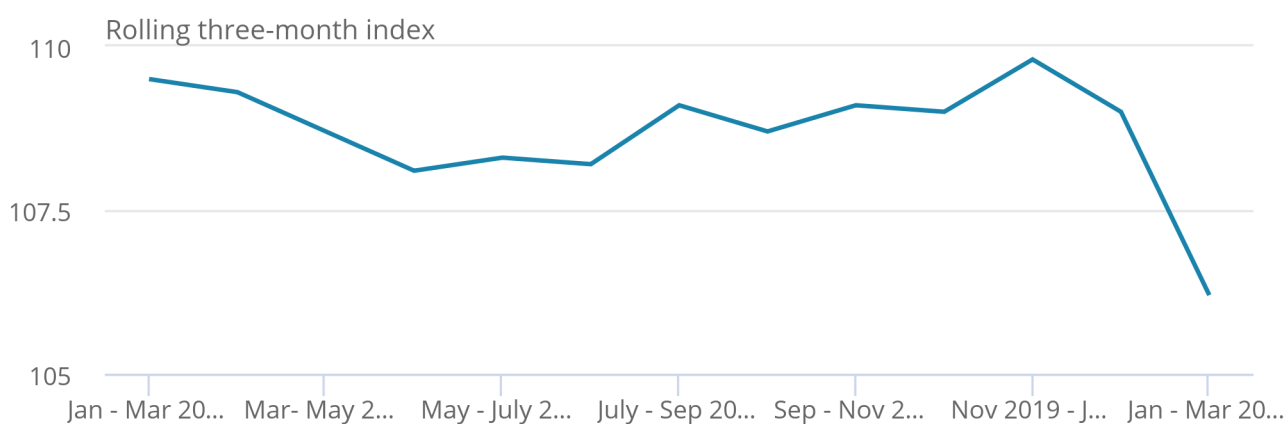
## 7 . Output in the construction sector fell by 2.6% in Quarter 1 2020

**Figure 8: The construction sector fell by 2.6% in the three months to March 2020**

Rolling three-month index, UK, January to March 2019 until January to March 2020

Figure 8: The construction sector fell by 2.6% in the three months to March 2020

Rolling three-month index, UK, January to March 2019 until January to March 2020



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 January to March compared with the previous October to December.

Rolling three-month growth in the construction sector was negative 2.6% in March 2020. This was caused by private commercial work which fell 5.3%, as well as declines in private housing new work and private housing repair and maintenance (negative 4.2% and negative 7.5%, respectively).

Month-on-month, output in construction fell by a record 5.9% in March 2020, following a fall of 2.1% in the weather-impacted February 2020. This fall was driven by declines in all types of work, which, again, is the first time this has happened since monthly records began in 2010. There were record monthly declines in both repair and maintenance (-5.1%) and new work (-6.2%)

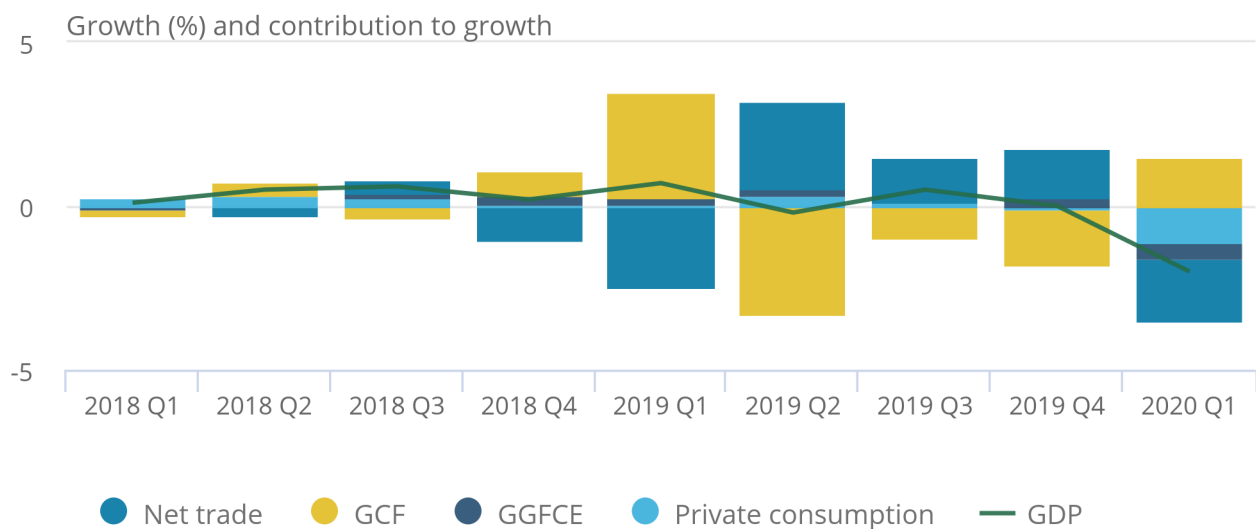
## 8 . Expenditure measure

**Figure 9: Private consumption, government consumption and net trade subtracted from growth in Quarter 1 2020, with only gross capital formation contributing positively to growth**

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020

Figure 9: Private consumption, government consumption and net trade subtracted from growth in Quarter 1 2020, with only gross capital formation contributing positively to growth

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020



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) and Q4 refers to Quarter 4 (Oct to Dec).
2. Chart shows contribution to real GDP quarter-on-quarter growth.
3. Components contributions may not sum to total due to rounding. The statistical discrepancy is also not displayed.
4. Private consumption is household final consumption expenditure and non-profit institutions serving households.

The expenditure approach to measuring gross domestic product (GDP) fell by 2.0% in Quarter 1 (Jan to Mar) 2020. Household consumption fell by 1.7%, the largest contraction since Quarter 4 (Oct to Dec) 2008, alongside declines in gross fixed capital formation, government consumption and trade volumes.

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

## 9 . Income measure

The income approach to measuring gross domestic product (GDP) has a relatively low data content at this early stage compared with the output and expenditure approaches, with many of the income components based on forecasts. As such, care should be taken when interpreting these. For more information please see the bulletin for the [first quarterly estimate of GDP](#).

## 10 . Things you need to know about this release

### Revisions

This release incorporates revisions to estimates for January and February 2020.

### Coronavirus (COVID-19)

In response to the developing coronavirus (COVID-19) pandemic, we are working to ensure that we continue to publish economic statistics. For more information, please see [COVID-19 and the production of statistics](#). In line with the current government guidelines, we are encouraging Office for National Statistics (ONS) staff to work from home and to avoid unnecessary travel and social contact. We have an established infrastructure to help mitigate these changes to ensure we continue to produce economic statistics. We will continue to review our mitigation as events unfold.

This release captures the first direct effects of the coronavirus pandemic and the government measures taken to reduce transmission of the virus. Because of the implementation of these government measures, which include restrictions in movement, we faced an increased number of challenges in producing monthly and quarterly estimates of UK gross domestic product (GDP) for Quarter 1 2020. More detailed information on the challenges and the steps taken to mitigate those can be found in [Coronavirus and the effects on UK GDP](#). Further information on industry response rates and challenges can be found in the [impact on the output of businesses](#).

As a result of these challenges, GDP estimates for Quarter 1 (Jan to Mar) 2020 are subject to more uncertainty than usual.

## 11 . 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](#).

## 12 . Related links

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

Bulletin | Released 13 May 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: March 2020](#)

Bulletin | Released 13 May 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: March 2020](#)

Bulletin | Released 13 May 2020

Monthly movements in output for the services industries.

### [GDP first quarterly estimate, UK: January to March 2020](#)

Bulletin | Released 13 May 2020

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

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

Article | Released 13 May 2020

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

### [Coronavirus and the effects on GDP](#)

Article | Released 6 May 2020

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

GVA1

Monthly GDP based on GVA (Gross Value Added) <sup>1</sup>  
Chained volume indices of gross value added at basic prices <sup>2,3,4,5</sup>

seasonally adjusted 2016=100

Industry sections (SIC2007)																							
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction <sup>6</sup>	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers, undifferentiated goods and services
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2016 weights	1000	7	138	10	100	17	10	60	796	104	43	30	63	73	138	75	48	47	59	75	15	21	4
	YBFR	L2KL	L2KQ	L2KR	L2KX	L2MW	L2N2	L2N8	L2NC	L2NE	L2NI	L2NQ	L2NT	L2O6	L2OC	L2OI	L2OX	L2P8	L2PA	L2PC	L2PJ	L2PP	L2PT
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	101.3	101.1	106.8	101.4	94.1	103.9	108.9	105.5	108.8	106.0	107.0	116.1	95.1	100.2	112.2	111.2	103.8	104.6	103.3	105.3	101.3	95.5
	ECY2	ECY3	ECY4	ECY5	ECY6	ECY7	ECY8	ECY9	ECYC	ECYD	ECYG	ECYH	ECYI	ECYJ	ECYK	ECYL	ECYP	ECYQ	ECYR	ECYS	ECYT	ECYU	ECYV
2018 Mar	102.7	102.7	102.8	99.5	103.1	103.5	101.1	103.6	102.7	103.0	100.9	103.0	108.2	99.2	99.6	108.0	106.4	100.8	101.3	101.3	103.9	102.5	104.5
Apr	103.1	102.5	102.3	108.2	102.7	98.7	104.9	104.9	103.1	104.2	101.8	104.0	108.6	99.0	99.7	109.0	107.0	100.9	101.5	101.2	104.6	102.1	104.9
May	103.4	102.4	101.9	106.5	103.0	91.7	101.9	106.3	103.5	106.2	103.0	104.7	108.8	98.6	99.8	109.0	107.0	101.2	101.7	101.1	104.7	102.2	104.3
Jun	103.7	101.9	102.9	106.4	103.8	94.3	104.6	107.1	103.6	106.0	104.0	105.3	109.0	98.2	99.7	108.8	108.6	101.7	101.8	101.2	104.7	102.9	105.3
Jul	104.0	101.7	103.2	111.1	103.5	97.2	104.3	107.2	103.9	107.2	104.1	105.9	109.1	97.9	99.7	110.2	108.4	102.1	101.8	101.2	103.4	102.5	106.5
Aug	104.1	101.8	103.1	112.1	103.3	97.0	104.0	106.8	104.1	107.1	104.5	104.7	111.8	97.6	99.6	110.3	108.4	102.4	101.9	101.5	103.9	102.6	107.7
Sep	104.1	102.4	102.5	108.0	103.0	94.9	104.3	107.6	104.2	106.3	104.6	105.1	113.3	97.4	99.5	110.7	108.0	102.3	102.1	101.8	104.9	101.0	107.6
Oct	104.4	103.0	102.4	111.4	102.5	96.2	103.7	108.2	104.5	106.9	105.3	106.3	112.1	97.2	99.8	111.4	110.0	102.1	102.4	101.9	106.4	101.2	107.6
Nov	104.6	103.0	102.2	107.9	102.6	95.7	103.2	107.8	104.8	107.8	105.5	107.2	112.9	96.9	99.7	112.0	110.1	102.1	102.7	102.0	105.6	100.3	106.5
Dec	104.2	102.0	101.6	107.3	102.1	94.6	102.9	105.7	104.5	106.6	105.6	106.8	113.8	96.4	99.8	110.9	109.4	102.5	103.1	102.2	106.8	99.3	105.8
2019 Jan	104.8	101.8	102.5	105.2	103.3	96.4	102.0	108.9	104.8	108.2	105.9	107.8	115.3	95.8	99.9	109.7	110.6	103.0	103.3	102.3	105.4	98.5	104.4
Feb	105.0	101.5	102.7	107.5	104.0	92.4	101.6	110.6	105.0	108.1	105.9	108.0	115.3	95.2	99.9	111.1	111.2	103.4	103.6	102.5	105.0	99.3	101.6
Mar	105.1	101.4	103.5	108.7	105.1	91.8	102.0	109.0	105.1	108.8	106.1	107.1	114.6	94.8	100.0	111.2	111.4	103.6	103.9	102.7	105.4	99.3	96.7
Apr	104.5	101.2	100.1	105.5	100.4	94.7	101.4	108.3	105.0	108.9	106.3	108.5	115.8	94.4	100.1	110.5	110.4	103.6	104.3	102.7	103.8	99.0	95.1
May	104.8	101.1	101.1	106.8	101.3	94.7	104.1	108.8	105.1	109.0	105.7	106.3	115.5	94.6	100.3	110.6	111.0	103.6	104.5	102.9	103.4	100.1	93.6
Jun	105.0	101.1	101.1	106.5	101.3	94.8	104.4	107.3	105.5	108.5	105.1	108.8	117.0	95.0	100.2	112.3	110.6	103.5	104.7	103.2	106.5	100.5	95.8
Jul	105.4	101.2	101.0	105.8	101.4	94.0	104.0	108.7	105.9	109.0	107.1	107.6	117.5	95.4	100.2	112.9	112.2	103.4	104.8	103.5	104.5	102.0	97.0
Aug	105.2	101.3	100.4	106.1	100.6	92.8	105.2	108.6	105.8	109.3	106.0	106.5	116.0	95.7	100.3	113.5	111.1	103.4	104.8	103.9	106.8	102.6	97.0
Sep	105.3	101.3	100.5	113.2	100.1	92.7	105.9	110.0	105.8	109.1	105.6	105.9	117.6	95.2	100.4	113.4	110.6	103.4	105.0	104.0	104.3	103.2	94.6
Oct	105.5	101.3	100.7	105.9	100.6	95.3	104.8	107.4	106.2	109.7	106.7	105.6	117.4	95.6	100.6	114.3	111.5	104.8	105.2	103.9	104.2	103.6	90.7
Nov	105.2	101.3	99.6	106.6	99.1	95.6	105.1	109.9	105.8	108.5	105.5	106.7	115.5	94.6	100.5	113.3	112.0	104.8	105.6	103.9	107.2	103.7	88.9
Dec	105.3	101.4	99.4	103.9	99.1	93.8	106.1	109.7	106.0	108.4	106.0	107.4	116.4	94.6	100.7	114.0	112.2	104.8	105.8	103.9	107.1	103.9	89.9
2020 Jan	105.4	101.3	99.3	104.2	99.3	90.5	107.3	109.8	106.2	109.4	107.1	107.8	113.9	94.9	100.9	113.6	112.7	104.9	106.3	103.9	107.2	105.4	90.3
Feb	105.3	101.2	99.2	103.7	99.5	89.4	105.5	107.5	106.2	108.7	104.8	107.5	114.8	95.3	101.2	114.7	111.8	104.9	106.5	103.9	106.8	105.0	89.7
Mar	99.1	101.0	95.0	91.9	94.9	88.1	104.9	101.2	99.6	98.5	90.9	74.0	112.3	94.8	101.0	112.9	100.1	105.1	91.1	100.6	93.8	86.0	85.5
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																

GVA2

Monthly GDP based on GVA (Gross Value Added) <sup>1</sup>  
Chained volume indices of gross value added at basic prices <sup>2,3,4,5</sup>

seasonally adjusted 2016=100

	Industry sections (SIC2007)																						Activities of households as employers, undifferentiated goods and services
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction <sup>6</sup>	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2016 weights	1000	7	138	10	100	17	10	60	796	104	43	30	63	73	138	75	48	47	59	75	15	21	4

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 Mar	1.3	-2.2	1.5	1.2	2.1	2.7	-4.2	-0.7	1.4	1.7	-0.5	0.7	5.6	-0.7	0.2	4.7	3.8	0.4	-0.4	0.3	0.4	2.0	5.1
Apr	1.3	-2.9	1.8	3.3	1.9	5.1	-2.9	-1.4	1.5	1.6	-0.7	0.2	5.0	-0.7	0.5	5.3	4.3	0.2	-0.2	0.1	0.3	1.6	4.2
May	1.4	-3.1	1.6	4.1	1.8	1.2	-0.9	-1.3	1.7	2.4	0.0	1.1	5.0	-0.9	0.7	5.5	4.3	0.0	0.2	-0.2	0.6	0.8	3.3
Jun	1.6	-3.2	1.4	5.0	1.8	-3.5	2.0	-0.2	1.9	3.2	1.5	2.0	3.9	-1.0	0.8	5.4	5.0	0.2	0.4	-0.3	1.6	0.7	2.1
Jul	1.8	-3.6	1.5	4.9	1.9	-4.4	2.9	0.9	2.0	4.1	2.4	2.4	3.7	-1.2	0.9	5.0	4.3	0.7	0.6	-0.2	1.9	1.2	1.2
Aug	2.0	-4.0	1.7	6.5	1.8	-2.3	3.6	0.8	2.1	4.0	2.9	2.6	4.2	-1.3	0.8	5.0	4.4	1.2	0.7	0.1	1.7	1.1	1.7
Sep	1.9	-4.1	1.1	6.9	1.0	-2.3	2.9	0.8	2.2	4.0	2.7	2.7	5.5	-1.3	0.8	4.9	3.7	1.6	0.8	0.4	1.4	0.0	2.3
Oct	1.9	-3.6	0.3	5.6	0.0	-2.1	2.5	1.4	2.3	3.6	2.8	3.6	5.8	-1.1	0.8	4.9	3.6	1.5	1.0	0.9	1.8	-0.8	4.2
Nov	1.9	-2.9	-0.5	2.3	-0.7	-2.4	1.8	1.6	2.4	3.7	3.0	4.5	5.8	-1.1	0.7	5.0	3.4	1.3	1.3	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	-1.2	-2.5	1.6	-0.3	2.2	4.2	3.6	4.3	6.2	-2.1	0.5	3.2	2.7	1.5	2.0	1.2	2.1	-1.7	4.1
Feb	1.7	-2.1	-0.5	8.8	-0.8	-4.6	1.8	1.0	2.2	4.1	3.9	4.6	7.1	-3.1	0.5	2.8	3.2	2.0	2.3	1.2	2.0	-1.8	2.0
Mar	2.1	-1.6	0.1	4.9	0.5	-6.5	1.7	4.0	2.3	4.8	4.4	4.6	7.3	-3.9	0.4	2.6	4.1	2.5	2.5	1.2	1.7	-2.5	-1.9
Apr	2.0	-1.4	-0.5	3.7	0.1	-8.1	1.3	4.4	2.3	4.8	4.7	4.1	7.0	-4.4	0.4	2.7	4.2	2.7	2.6	1.4	0.9	-2.4	-5.8
May	1.7	-1.3	-0.7	2.2	-0.7	-4.4	1.3	3.6	2.0	4.3	4.0	2.7	6.2	-4.4	0.4	1.9	3.8	2.6	2.7	1.5	-0.2	-2.8	-9.0
Jun	1.3	-1.1	-1.6	-0.7	-2.1	-0.2	1.0	1.9	1.8	3.2	2.7	2.4	6.7	-4.0	0.5	2.0	2.9	2.3	2.8	1.7	-0.1	-2.5	-9.5
Jul	1.3	-0.8	-1.6	-1.5	-2.1	0.1	0.6	1.3	1.8	2.3	2.2	2.1	7.0	-3.3	0.5	2.4	3.0	1.8	2.8	2.0	0.5	-1.6	-9.4
Aug	1.2	-0.6	-2.1	-3.4	-2.3	-2.4	0.2	1.1	1.8	2.1	1.8	2.2	6.2	-2.6	0.5	2.8	2.6	1.4	2.9	2.2	1.9	-0.9	-9.3
Sep	1.2	-0.7	-2.2	-1.8	-2.5	-3.3	0.8	1.7	1.7	2.1	1.8	1.3	5.0	-2.3	0.7	2.6	2.8	1.1	2.8	2.3	1.1	0.6	-10.3
Oct	1.1	-1.1	-2.1	-1.9	-2.4	-2.5	1.2	1.0	1.6	2.5	1.2	0.6	4.1	-2.0	0.8	2.6	2.1	1.6	2.8	2.2	0.0	1.5	-12.5
Nov	0.9	-1.4	-2.0	-0.5	-2.7	-1.1	1.5	1.1	1.4	2.0	0.8	-0.1	3.6	-2.1	0.8	2.1	1.8	2.1	2.7	2.0	-0.4	2.6	-14.7
Dec	0.9	-1.3	-2.1	-3.1	-2.7	-0.6	2.0	1.7	1.4	1.6	0.6	-0.2	3.1	-1.9	0.9	2.2	1.9	2.5	2.7	1.8	-0.1	3.5	-15.7
2020 Jan	0.8	-0.9	-2.6	-1.8	-3.4	-2.4	3.4	2.2	1.2	1.1	0.5	0.0	1.1	-1.7	0.9	2.5	2.1	2.3	2.8	1.7	1.2	5.0	-15.0
Feb	0.7	-0.5	-2.9	-2.5	-3.7	-3.4	4.0	0.6	1.3	1.1	0.1	0.0	0.2	-0.9	1.1	3.1	1.7	1.9	2.8	1.6	1.2	5.8	-13.4
Mar	-1.6	-0.4	-4.9	-6.7	-6.0	-4.4	4.0	-3.0	-1.0	-2.6	-4.8	-10.4	-1.2	-0.3	1.2	2.7	-2.6	1.5	-2.3	0.3	-2.5	-0.2	-12.3

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 Mar	0.1	-0.4	-0.1	-3.0	-0.4	2.3	1.5	-1.8	0.3	-0.8	-0.5	0.9	1.8	-0.2	0.1	0.9	0.5	0.0	0.2	0.0	0.8	2.1	2.3
Apr	0.3	-0.2	-0.5	8.8	-0.4	-4.7	-0.7	1.3	0.4	1.1	0.9	0.9	0.4	-0.2	0.1	0.9	0.6	0.1	0.2	-0.1	0.7	-0.4	0.4
May	0.3	-0.2	-0.4	-1.6	0.4	-7.1	1.5	1.3	0.4	1.9	1.2	0.7	0.3	-0.4	0.1	0.0	0.0	0.3	0.2	0.0	0.1	0.1	-0.5
Jun	0.3	-0.4	1.0	-0.1	0.7	2.8	2.6	0.8	0.2	-0.1	0.9	0.6	0.1	-0.4	-0.1	-0.2	1.5	0.4	0.1	0.0	0.0	0.7	1.0
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	-0.2	0.9	-2.0	1.2	2.0	-0.9	3.0	0.3	1.4	0.3	0.9	1.2	-0.7	0.1	-1.1	1.1	0.5	0.3	0.2	-1.3	-0.9	-1.3
Feb	0.3	-0.2	0.2	2.2	0.7	-4.2	-0.4	1.6	0.2	0.0	0.0	0.3	0.0	-0.6	0.0	1.3	0.5	0.4	0.3	0.2	-0.4	0.8	-2.6
Mar	0.1	-0.2	0.8	1.1	1.0	-0.6	0.4	-1.4	0.1	0.6	0.2	-0.8	-0.6	-0.5	0.2	0.1	0.2	0.2	0.3	0.2	0.3	0.1	-4.8
Apr	-0.5	-0.2	-3.3	-2.9	-4.5	3.2	-0.6	-0.6	-0.1	0.1	0.1	-0.5	1.1	-0.3	0.1	-0.7	-0.9	0.0	0.3	0.0	-1.5	-0.3	-1.7
May	0.2	-0.1	1.0	1.3	0.9	0.0	2.7	0.5	0.1	0.1	-0.6	-0.2	-0.3	0.1	0.2	0.2	0.6	-0.1	0.3	0.2	-0.4	1.1	-1.6
Jun	0.2	0.0	0.0	-0.3	0.0	0.2	0.3	-1.4	0.4	-0.5	-0.5	2.4	1.3	0.4	-0.1	1.5	-0.4	-0.1	0.2	0.3	3.0	0.4	2.3
Jul	0.4	0.1	-0.1	-0.7	0.1	-0.8	-0.4	1.3	0.4	0.4	1.9	-1.1	0.4	0.4	0.0	0.5	1.4	0.0	0.0	0.3	-1.9	1.4	1.2
Aug	-0.1	0.1	-0.6	0.3	-0.8	-1.3	1.1	-0.1	-0.1	0.3	-1.1	-1.0	-1.3	0.3	0.1	0.5	-1.0	0.0	0.1	0.4	2.2	0.7	0.1
Sep	0.1	0.0	0.0	6.7	-0.5	-0.1	0.7	1.3	0.0	-0.2	-0.3	-0.6	1.3	-0.5	0.1	-0.1	-0.5	0.0	0.2	0.1	-2.3	0.5	-2.5
Oct	0.2	0.0	0.2	-6.4	0.5	2.8	-1.1	-2.4	0.4	0.6	1.0	-0.2	-0.1	0.5	0.2	0.8	0.9	1.3	0.1	-0.1	-0.1	0.4	-4.2
Nov	-0.3	0.0	-1.0	0.6	-1.5	0.3	0.3	2.3	-0.4	-1.1	-1.2	1.0	-1.7	-1.0	-0.1	-0.9	0.4	0.0	0.4	0.0	2.9	0.0	-2.0
Dec	0.2	0.0	-0.2	-2.5	0.1	-1.8	0.9	-0.2	0.2	-0.1	0.5	0.7	0.8	-0.1	0.2	0.6	0.2	0.0	0.2	0.0	-0.1	0.3	1.1
2020 Jan	0.1	-0.1	-0.1	0.4	0.1	-3.5	1.2	0.2	0.1	1.0	1.0	0.4	-2.2	0.3	0.3	-0.4	0.5	0.0	0.4	0.0	0.1	1.4	0.5
Feb	-0.2	-0.1	-0.1	-0.5	0.3	-1.2	-1.7	-2.1	0.0	-0.7	-2.1	-0.3	0.8	0.4	0.3	0.9	-0.8	0.0	0.2	0.0	-0.4	-0.4	-0.7
Mar	-5.8	-0.2	-4.2	-11.5	-4.6	-1.5	-0.5	-5.9	-6.2	-9.4	-13.3	-31.1	-2.2	-0.5	-0.2	-1.5	-10.4	0.1	-14.5	-3.2	-12.1	-18.1	-4.7

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](mailto:gdp@ons.gov.uk)



GVA3

Monthly GDP based on GVA (Gross Value Added) <sup>1</sup>  
Chained volume indices of gross value added at basic prices <sup>2,3,4,5</sup>

seasonally adjusted 2016=100

Industry sections (SIC2007)																							
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction <sup>6</sup>	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
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2016 weights	1000	7	138	10	100	17	10	60	796	104	43	30	63	73	138	75	48	47	59	75	15	21	4
Percentage change, latest month on 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 Mar	1.2	-3.2	2.3	-1.5	2.2	10.4	-3.9	-2.6	1.3	0.9	-1.4	0.9	5.9	-0.8	0.6	5.0	2.7	0.2	-0.1	0.1	0.0	2.3	4.8
Apr	1.5	-3.0	1.6	8.3	1.4	1.6	-0.2	-1.6	1.8	1.9	0.2	0.5	4.5	-0.9	0.7	6.5	6.6	-0.2	0.2	-0.2	0.3	0.3	3.4
May	1.6	-3.1	0.9	5.5	1.8	-8.0	1.5	0.1	1.9	4.4	1.3	1.8	4.7	-1.0	0.8	5.1	3.6	0.0	0.5	-0.4	1.5	-0.1	1.9
Jun	1.8	-3.6	1.8	1.3	2.2	-4.1	4.7	1.0	1.9	3.2	3.2	3.6	2.4	-1.1	0.9	4.5	4.8	0.6	0.6	-0.3	2.9	1.8	1.0
Jul	2.1	-4.1	1.9	7.9	1.8	-1.1	2.6	1.5	2.3	4.8	2.8	1.8	4.1	-1.5	0.9	5.5	4.4	1.4	0.8	0.1	1.2	1.8	0.8
Aug	2.0	-4.3	1.6	10.3	1.2	-1.7	3.5	-0.1	2.3	4.0	2.8	2.4	5.9	-1.3	0.7	4.9	4.0	1.7	0.8	0.4	0.9	-0.4	3.4
Sep	1.7	-3.9	-0.2	2.5	-0.1	-4.1	2.5	1.0	2.1	3.1	2.6	3.9	6.5	-1.2	0.8	4.3	2.8	1.6	0.9	0.7	2.1	-1.5	2.8
Oct	2.1	-2.5	-0.6	4.3	-1.2	-0.5	1.5	3.3	2.5	3.7	2.9	4.5	5.1	-0.8	0.8	5.6	4.1	1.3	1.4	1.6	2.4	-0.5	6.6
Nov	1.9	-2.2	-0.8	0.0	-0.9	-2.6	1.3	0.7	2.5	4.4	3.6	4.9	5.9	-1.3	0.5	5.1	3.4	1.1	1.7	1.4	2.2	-0.8	5.7
Dec	1.2	-2.8	-1.1	23.2	-2.0	-6.0	1.1	-3.6	2.1	3.7	3.6	4.0	5.3	-1.9	0.6	3.6	1.9	1.4	2.0	1.2	2.4	-1.2	4.3
2019 Jan	1.7	-2.1	-0.2	0.8	-0.7	1.1	2.3	2.0	2.0	4.6	3.5	4.1	7.4	-3.1	0.5	1.0	2.7	2.1	2.4	1.1	1.6	-3.0	2.3
Feb	2.3	-1.5	-0.2	4.8	0.5	-8.7	2.0	4.8	2.6	4.1	4.5	5.8	8.5	-4.2	0.4	3.8	4.9	2.6	2.5	1.2	1.9	-1.2	-0.5
Mar	2.3	-1.3	0.7	9.2	1.9	-11.4	0.9	5.2	2.4	5.6	5.2	4.0	5.9	-4.5	0.4	2.9	4.6	2.8	2.6	1.4	1.5	-3.1	-7.4
Apr	1.4	-1.3	-2.1	-2.5	-2.2	-4.1	1.0	3.2	1.9	4.5	4.4	2.5	6.7	-4.6	0.4	1.3	3.1	2.7	2.7	1.5	-0.8	-3.0	-9.3
May	1.3	-1.2	-0.8	0.4	-1.7	3.2	2.2	2.4	1.6	2.7	2.6	1.5	6.1	-4.1	0.5	1.5	3.8	2.3	2.8	1.7	-1.3	-2.1	-10.3
Jun	1.2	-0.8	-1.8	0.1	-2.4	0.6	-0.2	0.2	1.8	2.4	1.1	3.3	7.4	-3.3	0.5	3.2	1.8	1.8	2.9	2.0	1.8	-2.4	-9.0
Jul	1.3	-0.5	-2.1	-4.8	-2.0	-3.3	-0.2	1.4	1.9	1.7	2.8	1.6	7.7	-2.5	0.5	2.5	3.5	1.3	2.9	2.2	1.1	-0.5	-8.9
Aug	1.1	-0.5	-2.5	-5.3	-2.6	-4.3	1.1	1.6	1.6	2.1	1.5	1.7	3.8	-2.0	0.6	2.8	2.6	1.0	2.8	2.4	2.7	0.0	-9.9
Sep	1.1	-1.1	-2.0	4.9	-2.8	-2.3	1.6	2.2	1.6	2.6	1.0	0.7	3.8	-2.2	0.8	2.5	2.4	1.1	2.8	2.2	-0.6	2.2	-12.1
Oct	1.0	-1.6	-1.7	-4.9	-1.9	-0.9	1.0	-0.8	1.7	2.7	1.3	-0.6	4.8	-1.6	0.9	2.6	1.4	2.6	2.7	1.9	-2.0	2.4	-15.7
Nov	0.6	-1.6	-2.5	-1.3	-3.4	-0.1	1.9	2.0	1.0	0.6	0.0	-0.5	2.3	-2.3	0.8	1.1	1.7	2.6	2.8	1.8	1.6	3.4	-16.5
Dec	1.1	-0.6	-2.1	-3.2	-2.9	-0.8	3.1	3.8	1.4	1.6	0.4	0.6	2.3	-1.9	0.9	2.8	2.6	2.3	2.7	1.7	0.3	4.6	-15.0
2020 Jan	0.7	-0.5	-3.1	-0.9	-3.9	-6.1	5.2	0.9	1.3	1.2	1.1	0.0	-1.2	-0.9	1.1	3.5	1.9	1.8	2.8	1.5	1.7	7.0	-13.4
Feb	0.2	-0.3	-3.4	-3.5	-4.3	-3.2	3.8	-2.8	1.1	0.6	-1.1	-0.5	-0.4	0.1	1.4	3.2	0.5	1.4	2.8	1.4	1.6	5.8	-11.7
Mar	-5.7	-0.3	-8.2	-15.5	-9.7	-3.9	2.9	-7.1	-5.2	-9.5	-14.4	-30.9	-2.0	0.1	1.0	1.5	-10.1	1.4	-12.4	-2.0	-11.0	-13.4	-11.6

1 The GVA output is designated as a National Statistic.

2 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".

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

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

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

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

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

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 <sup>4</sup>	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	

Percentage change, latest 3 months on previous 3 months <sup>3</sup>

2018 Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020 Jan	0.0	0.0	-0.1	-0.3	-0.1	-0.4	-0.1	0.1	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1
Feb	-0.1	0.1	-0.3	-0.4	-0.2	-0.9	-0.2	0.1	0.0	-0.1	-0.3	0.1	-0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	-0.6

Percentage change, latest 3 months on same 3 months a year ago <sup>3</sup>

2018 Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020 Jan	0.0	0.0	-0.1	-0.3	-0.1	-0.4	0.0	0.1	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	-0.1
Feb	0.0	0.0	-0.3	-0.3	-0.2	-0.9	-0.2	0.1	0.0	0.0	-0.4	0.1	-0.1	0.1	0.0	-0.1	0.0	0.0	0.1	0.0	0.1	0.1	-0.5

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

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

	Industry sections (SIC2007)																						Activities of households as employers, undifferentiated goods and services
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction <sup>4</sup>	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2016 weights	1000	7	138	10	100	17	10	60	796	104	43	30	63	73	138	75	48	47	59	75	15	21	4

Percentage change, latest month on previous month <sup>3</sup>

2018 Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020 Jan	0.0	0.0	-0.3	-0.8	-0.3	-1.1	0.0	0.4	0.0	0.0	-0.4	0.2	-0.2	0.0	0.1	-0.1	0.0	-0.1	0.0	0.0	0.3	0.1	-0.2
Feb	-0.1	0.0	-0.2	0.5	-0.2	-0.4	-0.4	-0.4	0.0	-0.1	-0.1	0.1	0.0	0.1	0.1	-0.2	0.1	-0.1	0.1	-0.1	-0.2	0.0	-1.5

Percentage change, latest month on same month a year ago <sup>3</sup>

2018 Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020 Jan	0.0	0.0	-0.3	-0.8	-0.2	-1.1	-0.1	0.4	0.0	0.0	-0.4	0.1	-0.2	0.0	0.1	-0.1	-0.1	-0.1	0.0	0.0	0.3	0.1	-0.1
Feb	-0.1	0.1	-0.6	-0.3	-0.4	-1.5	-0.5	-0.1	0.0	0.0	-0.5	0.2	-0.2	0.2	0.1	-0.1	-0.1	-0.1	0.2	0.0	0.0	0.2	-1.5

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

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

CONTRIB 1 Monthly GDP based on GVA (Gross Value Added) <sup>1</sup>  
Contributions to growth of gross value added at basic prices <sup>2,3,4</sup>

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
2018	Mar	0.20	-0.01	-0.02	0.01	-0.02	0.02	-0.02	-0.11	0.34	0.04	-0.02	0.02	0.01	0.08	0.05	0.11	0.01	-0.01	0.01	0.05	0.00	0.01	0.01
	Apr	-0.01	-0.01	-0.02	0.03	-0.08	0.04	-0.01	-0.18	0.21	0.05	-0.02	0.01	0.02	0.06	0.05	0.04	-0.04	-0.01	0.02	0.02	0.00	0.01	0.01
	May	0.21	-0.01	-0.06	0.05	-0.10	-0.02	0.01	-0.14	0.43	0.11	0.00	0.03	0.08	0.01	0.05	0.08	-0.01	0.00	0.03	0.00	0.01	0.02	0.01
	Jun	0.59	-0.01	-0.06	0.04	-0.04	-0.07	0.03	0.05	0.61	0.20	0.06	0.05	0.10	-0.04	0.03	0.07	0.04	0.02	0.03	-0.01	0.02	0.02	0.01
	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	0.26	0.00	-0.07	-0.03	-0.03	-0.01	-0.02	-0.01	0.34	0.08	0.03	0.05	0.10	-0.07	0.02	0.01	0.06	0.01	0.05	0.04	0.01	-0.04	-0.01
	Feb	0.27	-0.01	-0.01	-0.02	0.04	-0.02	-0.02	0.03	0.25	0.06	0.03	0.03	0.13	-0.10	0.02	-0.05	0.05	0.04	0.05	0.03	0.00	-0.03	-0.01
2019	Mar	0.54	-0.01	0.11	-0.02	0.17	-0.03	-0.02	0.13	0.30	0.12	0.02	0.02	0.13	-0.11	0.02	-0.06	0.06	0.05	0.05	0.03	-0.01	-0.02	-0.02
	Apr	0.37	-0.01	0.00	0.00	0.05	-0.04	-0.01	0.10	0.26	0.11	0.02	0.00	0.08	-0.11	0.03	0.00	0.05	0.05	0.05	0.03	-0.02	0.00	-0.02
	May	0.13	0.00	-0.09	0.00	-0.08	-0.01	0.00	0.02	0.21	0.13	0.01	-0.02	0.03	-0.09	0.04	0.01	0.03	0.03	0.05	0.03	-0.02	0.01	-0.02
	Jun	-0.18	0.00	-0.28	-0.01	-0.30	0.02	0.02	-0.08	0.17	0.05	-0.01	-0.01	0.07	-0.04	0.04	0.03	-0.02	0.01	0.05	0.03	-0.01	0.01	-0.02
	Jul	0.15	0.00	-0.13	-0.01	-0.18	0.02	0.03	-0.06	0.35	0.03	-0.01	0.01	0.09	0.01	0.03	0.07	0.02	0.00	0.04	0.04	0.00	0.03	-0.01
	Aug	0.38	0.00	-0.09	-0.01	-0.11	0.00	0.02	-0.03	0.50	0.00	0.00	0.03	0.10	0.05	0.01	0.15	0.02	-0.01	0.03	0.06	0.03	0.04	0.00
	Sep	0.52	0.00	-0.01	0.02	-0.03	-0.02	0.02	0.05	0.48	0.03	0.02	-0.02	0.06	0.05	0.01	0.15	0.03	-0.01	0.02	0.06	0.01	0.04	0.00
	Oct	0.30	0.00	-0.07	0.02	-0.08	-0.01	0.01	0.02	0.35	0.05	0.01	-0.04	0.02	0.04	0.03	0.12	-0.01	0.02	0.02	0.05	0.01	0.04	0.00
	Nov	0.13	0.00	-0.08	0.02	-0.11	0.01	0.01	0.05	0.16	0.02	-0.01	-0.04	0.00	-0.01	0.04	0.05	0.00	0.04	0.03	0.03	-0.01	0.03	-0.01
	Dec	0.03	0.00	-0.10	-0.03	-0.10	0.03	0.00	0.00	0.13	-0.03	-0.01	0.00	-0.04	-0.03	0.04	0.04	0.03	0.06	0.04	0.01	0.02	0.02	-0.02
	2020 Jan	-0.04	0.00	-0.14	-0.03	-0.12	0.00	0.01	0.07	0.03	-0.06	0.00	0.03	-0.11	-0.05	0.04	-0.01	0.06	0.04	0.05	0.00	0.03	0.02	-0.01
	Feb	0.01	0.00	-0.12	-0.04	-0.06	-0.05	0.01	-0.01	0.13	-0.03	0.00	0.04	-0.11	-0.02	0.06	0.03	0.04	0.03	0.05	0.00	0.03	0.02	0.00
	Mar	-1.97	0.00	-0.27	-0.04	-0.16	-0.09	0.01	-0.16	-1.54	-0.32	-0.21	-0.27	-0.18	0.00	0.06	-0.01	-0.18	0.01	-0.24	-0.08	-0.06	-0.08	0.00

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

		EDMY	EDMZ	EDNA	EDNB	EDNC	EDND	EDNE	EDNF	EDNG	EDNH	EDNI	EDNJ	EDNK	EDNL	EDNM	EDNN	EDNO	EDNP	EDNQ	EDNR	EDNS	EDNT	EDNU
2018	Mar	1.29	-0.02	0.20	0.01	0.21	0.04	-0.06	-0.04	1.15	0.17	-0.02	0.02	0.37	-0.05	0.03	0.36	0.20	0.02	-0.02	0.02	0.01	0.03	0.01
	Apr	1.32	-0.02	0.25	0.02	0.19	0.07	-0.04	-0.09	1.18	0.17	-0.03	0.01	0.34	-0.05	0.07	0.40	0.22	0.01	-0.01	0.00	0.01	0.03	0.01
	May	1.44	-0.02	0.21	0.03	0.18	0.02	-0.01	-0.08	1.33	0.25	0.00	0.03	0.34	-0.07	0.10	0.42	0.22	0.00	0.01	-0.01	0.01	0.01	0.01
	Jun	1.63	-0.02	0.19	0.04	0.18	-0.05	0.02	-0.01	1.48	0.33	0.06	0.06	0.26	-0.07	0.11	0.40	0.26	0.01	0.03	-0.02	0.03	0.01	0.01
	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	1.62	-0.02	-0.10	0.06	-0.12	-0.04	0.02	-0.02	1.76	0.44	0.15	0.12	0.43	-0.15	0.07	0.25	0.14	0.08	0.12	0.09	0.03	-0.03	0.01
	Feb	1.75	-0.02	-0.07	0.08	-0.08	-0.07	0.02	0.06	1.77	0.43	0.16	0.13	0.49	-0.22	0.06	0.21	0.17	0.10	0.13	0.09	0.03	-0.03	0.01
Mar	2.10	-0.01	0.02	0.04	0.05	-0.10	0.02	0.24	1.85	0.50	0.18	0.13	0.50	-0.28	0.05	0.20	0.22	0.12	0.14	0.10	0.03	-0.04	-0.01	
Apr	2.00	-0.01	-0.07	0.03	0.01	-0.13	0.02	0.27	1.81	0.50	0.19	0.11	0.49	-0.32	0.05	0.20	0.22	0.13	0.15	0.10	0.01	-0.04	-0.02	
May	1.67	-0.01	-0.10	0.02	-0.07	-0.07	0.02	0.22	1.55	0.45	0.17	0.07	0.43	-0.31	0.06	0.15	0.20	0.13	0.15	0.12	0.00	-0.05	-0.03	
Jun	1.31	-0.01	-0.21	-0.01	-0.21	0.00	0.01	0.12	1.41	0.34	0.11	0.07	0.47	-0.28	0.06	0.15	0.15	0.11	0.16	0.13	0.00	-0.04	-0.03	
Jul	1.28	-0.01	-0.21	-0.01	-0.20	0.00	0.01	0.08	1.42	0.24	0.09	0.06	0.49	-0.23	0.06	0.18	0.16	0.09	0.16	0.15	0.01	-0.03	-0.03	
Aug	1.20	0.00	-0.29	-0.03	-0.23	-0.03	0.00	0.07	1.43	0.22	0.07	0.06	0.44	-0.18	0.07	0.22	0.14	0.07	0.16	0.17	0.03	-0.02	-0.03	
Sep	1.17	0.00	-0.30	-0.02	-0.25	-0.05	0.01	0.11	1.37	0.23	0.07	0.04	0.36	-0.16	0.09	0.20	0.15	0.06	0.16	0.17	0.02	0.01	-0.03	
Oct	1.08	-0.01	-0.28	-0.02	-0.24	-0.04	0.02	0.06	1.30	0.26	0.05	0.02	0.29	-0.14	0.10	0.21	0.11	0.08	0.16	0.16	0.00	0.02	-0.04	
Nov	0.92	-0.01	-0.27	0.00	-0.27	-0.02	0.02	0.07	1.13	0.21	0.03	0.00	0.26	-0.14	0.11	0.16	0.10	0.10	0.16	0.15	-0.01	0.04	-0.04	
Dec	0.91	-0.01	-0.28	-0.03	-0.27	-0.01	0.03	0.10	1.09	0.17	0.02	-0.01	0.22	-0.13	0.11	0.17	0.10	0.12	0.15	0.14	0.00	0.06	-0.05	
2020 Jan	0.78	-0.01	-0.35	-0.02	-0.34	-0.04	0.04	0.14	0.99	0.12	0.02	0.00	0.08	-0.11	0.12	0.19	0.11	0.11	0.16	0.13	0.02	0.08	-0.05	
Feb	0.65	0.00	-0.39	-0.02	-0.37	-0.05	0.05	0.04	1.00	0.12	0.01	0.00	0.01	-0.06	0.15	0.25	0.09	0.09	0.16	0.12	0.02	0.09	-0.04	
Mar	-1.61	0.00	-0.67	-0.06	-0.59	-0.07	0.05	-0.19	-0.76	-0.28	-0.20	-0.30	-0.09	-0.02	0.15	0.21	-0.14	0.08	-0.13	0.02	-0.04	0.00	-0.04	

CONTRIB 2 Monthly GDP based on GVA (Gross Value Added) <sup>1</sup>  
Contributions to growth of gross value added at basic prices <sup>2,3,4</sup>

seasonally adjusted 2016=100

	Industry sections (SIC2007)																							Activities of households as employers, undifferentiated goods and services
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities		
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
2016 weights	1000	7	138	10	100	17	10	60	796	104	43	30	63	73	138	75	48	47	59	75	15	21	4	

Contribution to growth, latest month on previous month

		EDKH	EDKI	EDKJ	EDKK	EDKL	EDKM	EDKN	EDKO	EDKP	EDKQ	EDKR	EDKS	EDKT	EDKU	EDKV	EDKW	EDKX	EDKY	EDKZ	EDLA	EDLB	EDLC	EDLD
2018	Mar	0.08	0.00	-0.01	-0.02	-0.04	0.03	0.02	-0.11	0.21	-0.08	-0.02	0.02	0.13	-0.01	0.02	0.07	0.03	0.00	0.01	0.00	0.01	0.03	0.01
	Apr	0.33	0.00	-0.07	0.07	-0.04	-0.07	-0.01	0.08	0.32	0.11	0.04	0.03	0.02	-0.02	0.01	0.07	0.03	0.01	0.01	-0.01	0.01	-0.01	0.00
	May	0.31	0.00	-0.06	-0.01	0.04	-0.10	0.02	0.08	0.29	0.20	0.05	0.02	0.02	-0.03	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
	Jun	0.31	0.00	0.14	0.00	0.07	0.04	0.03	0.05	0.12	-0.01	0.04	0.02	0.01	-0.03	-0.01	-0.01	0.08	0.02	0.01	0.00	0.00	0.01	0.00
	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
	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
	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
	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
	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
	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	0.54	0.00	0.12	-0.02	0.12	0.03	-0.01	0.18	0.03	-0.01	0.01	0.03	0.09	-0.05	0.01	-0.09	0.06	0.02	0.02	0.01	-0.02	-0.01	0.00
	Feb	0.27	0.00	0.02	0.02	0.07	-0.06	-0.01	0.10	0.15	0.00	0.00	0.01	0.00	-0.04	0.00	0.10	0.03	0.02	0.02	0.01	-0.01	0.01	-0.01
	Mar	0.06	0.00	0.11	0.01	0.10	-0.01	0.01	-0.09	0.05	0.07	0.01	-0.02	-0.04	0.05	0.02	0.01	0.01	0.01	0.02	0.01	0.01	0.00	-0.01
	Apr	-0.53	0.00	-0.45	-0.03	-0.45	0.04	-0.01	-0.04	-0.05	0.01	0.01	-0.02	0.08	-0.02	0.01	-0.05	-0.05	0.00	0.02	0.00	-0.02	-0.01	0.00
	May	0.23	0.00	0.13	0.01	0.08	0.00	0.03	0.03	0.07	0.01	-0.03	-0.01	-0.02	0.01	0.02	0.01	0.03	0.00	0.02	0.01	-0.01	0.02	0.00
	Jun	0.21	0.00	0.00	0.00	0.00	0.00	0.00	-0.08	0.29	-0.05	-0.02	0.07	0.10	0.03	-0.02	0.12	-0.02	0.00	0.01	0.02	0.05	0.01	0.01
	Jul	0.37	0.00	-0.01	-0.01	0.01	-0.01	-0.01	0.08	0.30	0.05	0.08	-0.03	0.03	0.03	0.01	0.04	0.08	0.00	0.00	0.02	-0.03	0.02	0.00
	Aug	-0.13	0.00	-0.08	0.00	-0.07	-0.02	0.01	-0.01	-0.04	0.03	-0.04	-0.03	-0.09	0.02	0.01	0.04	-0.05	0.00	0.00	0.03	0.04	0.01	0.00
	Sep	0.07	0.00	0.01	0.06	-0.05	0.00	0.01	0.08	-0.01	-0.02	-0.01	-0.02	0.10	-0.03	0.01	0.00	-0.03	0.00	0.01	0.01	-0.04	0.01	-0.01
	Oct	0.19	0.00	0.02	-0.06	0.05	0.04	-0.01	-0.15	0.32	0.06	0.04	-0.01	-0.01	0.03	0.03	0.06	0.05	0.06	0.01	-0.01	0.00	0.01	-0.01
	Nov	-0.32	0.00	-0.14	0.01	-0.15	0.00	0.00	0.14	-0.33	-0.12	-0.05	0.03	-0.12	-0.07	-0.02	-0.07	0.02	0.00	0.02	0.00	0.05	0.00	0.00
	Dec	0.15	0.00	-0.02	-0.02	0.01	-0.03	0.01	-0.01	0.19	-0.01	0.02	0.02	0.06	0.00	0.02	0.05	0.01	0.00	0.01	0.00	0.00	0.00	0.00
2020	Jan	0.09	0.00	-0.02	0.00	0.01	-0.05	0.01	0.01	0.10	0.11	0.04	0.01	-0.16	0.02	0.03	-0.03	0.03	0.00	0.03	0.00	0.00	0.02	0.00
	Feb	-0.17	0.00	-0.02	0.00	0.03	-0.02	-0.02	-0.13	-0.02	-0.07	-0.09	-0.01	0.06	0.03	0.03	0.07	-0.05	0.00	0.01	0.00	-0.01	-0.01	0.00
	Mar	-5.85	0.00	-0.55	-0.10	-0.43	-0.02	-0.01	-0.36	-4.93	-1.00	-0.55	-0.88	-0.16	-0.03	-0.02	-0.12	-0.57	0.01	-0.86	-0.25	-0.20	-0.30	-0.01

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	Mar	1.19	-0.02	0.31	-0.01	0.22	0.14	-0.05	-0.16	1.07	0.10	-0.06	0.03	0.39	-0.06	0.09	0.37	0.14	0.01	-0.01	0.01	0.00	0.04	0.01	
	Apr	1.49	-0.02	0.22	0.06	0.14	0.02	0.00	-0.10	1.40	0.20	0.01	0.02	0.31	-0.07	0.10	0.48	0.33	-0.01	0.01	-0.02	0.00	0.01	0.01	
	May	1.63	-0.02	0.12	0.04	0.18	-0.12	0.02	0.01	1.53	0.46	0.05	0.05	0.32	-0.08	0.11	0.39	0.19	0.00	0.03	-0.03	0.03	0.00	0.01	
	Jun	1.78	-0.03	0.24	0.01	0.22	-0.06	0.06	0.06	1.51	0.34	0.13	0.10	0.17	-0.08	0.12	0.34	0.25	0.03	0.04	-0.02	0.05	0.03	0.00	
	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	
	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	
	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	
	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	
	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	
	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	1.70	-0.02	-0.03	0.01	-0.07	0.02	0.03	0.12	1.62	0.48	0.15	0.11	0.51	-0.22	0.06	0.08	0.14	0.10	0.13	0.08	0.03	-0.05	0.01
		Feb	2.31	-0.01	-0.03	0.04	0.05	-0.13	0.02	0.29	2.04	0.43	0.18	0.16	0.58	-0.30	0.05	0.29	0.26	0.13	0.14	0.10	0.03	-0.02	0.00
Mar		2.29	-0.01	0.10	0.08	0.19	-0.18	0.01	0.31	1.88	0.59	0.21	0.11	0.41	-0.32	0.05	0.23	0.25	0.14	0.15	0.11	0.02	-0.05	-0.02	
Apr		1.41	-0.01	-0.29	-0.02	-0.22	-0.06	0.01	0.19	1.51	0.48	0.18	0.07	0.47	-0.33	0.06	0.10	0.17	0.13	0.15	0.11	-0.01	-0.05	-0.03	
May		1.32	-0.01	-0.10	0.00	-0.17	0.04	0.03	0.14	1.28	0.29	0.11	0.04	0.42	-0.29	0.07	0.12	0.20	0.11	0.16	0.13	-0.02	-0.03	-0.03	
Jun		1.22	-0.01	-0.24	0.00	-0.24	0.01	0.00	0.01	1.45	0.25	0.05	0.09	0.51	-0.23	0.06	0.25	0.10	0.09	0.16	0.15	0.03	-0.04	-0.03	
Jul		1.32	0.00	-0.29	-0.05	-0.20	-0.05	0.00	0.08	1.52	0.18	0.12	0.04	0.53	-0.18	0.06	0.19	0.19	0.06	0.16	0.17	0.02	-0.01	-0.03	
Aug		1.06	0.00	-0.35	-0.05	-0.26	-0.06	0.01	0.10	1.31	0.22	0.06	0.05	0.27	-0.14	0.08	0.22	0.14	0.05	0.16	0.18	0.04	0.00	-0.03	
Sep		1.13	-0.01	-0.26	0.05	-0.28	-0.03	0.02	0.13	1.27	0.28	0.04	0.02	0.27	-0.15	0.11	0.19	0.13	0.05	0.16	0.17	-0.01	0.04	-0.04	
Oct		1.04	-0.01	-0.22	-0.05	-0.18	-0.01	0.01	-0.05	1.32	0.28	0.06	-0.02	0.34	-0.11	0.11	0.20	0.08	0.12	0.15	0.15	-0.03	0.04	-0.05	
Nov		0.58	-0.01	-0.33	-0.01	-0.34	0.00	0.02	0.12	0.80	0.07	0.00	-0.01	0.16	-0.16	0.11	0.09	0.09	0.13	0.16	0.14	0.03	0.05	-0.05	
Dec		1.10	0.00	-0.28	-0.03	-0.28	-0.01	0.04	0.23	1.15	0.17	0.02	0.02	0.16	-0.13	0.12	0.22	0.14	0.11	0.15	0.13	0.01	0.07	-0.04	
2020	Jan	0.65	0.00	-0.42	-0.01	-0.39	-0.10	0.06	0.05	1.02	0.13	0.05	0.00	-0.09	-0.06	0.14	0.27	0.10	0.09	0.16	0.12	0.03	0.11	-0.04	
Feb	0.22	0.00	-0.46	-0.03	-0.43	-0.05	0.05	-0.17	0.85	0.06	-0.05	-0.01	-0.03	0.00	0.18	0.25	0.03	0.07	0.16	0.11	0.03	0.09	-0.03		
Mar	-5.70	0.00	-1.12	-0.14	-0.97	-0.06	0.03	-0.44	-4.14	-1.01	-0.61	-0.87	-0.14	0.01	0.14	0.12	-0.55	0.07	-0.72	-0.15	-0.18	-0.21	-0.03		