

Statistical bulletin

# Index of Services, UK: November 2019

Monthly movements in output for the services industries.



Contact: Mark Stephens ios.enquiries@ons.gov.uk +44 (0)1633 456387 Release date: 13 January 2020 Next release: 11 February 2020

### Table of contents

- 1. Main points
- 2. Things you need to know about this release
- 3. Three-month on three-month services growth
- 4. Month-on-month services growth
- 5. Three-month on a year ago services growth
- 6. Links to related statistics
- 7. Quality and methodology

### 1. Main points

- In the three months to November 2019, services output increased by 0.1% compared with the three months to August 2019.
- Real estate activities made the largest contribution to this growth, contributing 0.08 percentage points.
- The Index of Services decreased by 0.3% between October 2019 and November 2019 reversing the growth in October.
- Wholesale, retail and motor trade, and information and communication both contributed negative 0.13 percentage points to the month-on-month fall.
- In the three months to November 2019, services output increased by 1.2% compared with the three months to November 2018.

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

The monthly Index of Services (IoS) provides a timely indicator of growth in the output of the services industries. It is the largest contributor to the output approach in the measurement of gross domestic product (GDP), accounting for 79.6% of UK GDP in 2016. Also published on 13 January 2020 is the <u>GDP monthly estimate, UK:</u> <u>November 2019</u>.

This November 2019 release contains revisions from January 2018 and is consistent with the <u>National Accounts</u> <u>Revisions Policy</u>. The revisions up to September 2019 are consistent with those published in the <u>Quarterly</u> <u>national accounts</u> on 20 December 2019.

The current price non-seasonally adjusted estimates of industries collected by the Monthly Business Survey (MBS) can be found in the <u>Monthly Business Survey turnover of services industries dataset</u>, which was published alongside this release. Note that the MBS turnover of services industries dataset does not contain data from VAT returns, which have been included in the IoS.

Care should be taken when using the month-on-month growth rates as data can be volatile; longer-term growth rates and examination of the time series allow for better interpretation of the statistics.

The IoS is an important economic indicator and one of the earliest short-term measures of economic activity. It is used in the compilation of the UK National Accounts and widely used by private and public sector institutions, particularly by the Bank of England and Her Majesty's Treasury to assist in informed decision- and policy-making.

The UK IoS has been designated by the <u>UK Statistics Authority</u> as <u>National Statistics</u>, in accordance with the <u>Statistics and Registration Service Act 2007</u> and signifying compliance with the <u>Code of Practice for Statistics</u>.

### 3. Three-month on three-month services growth

In the three months to November 2019, services output increased by 0.1% compared with the three months to August 2019. The 0.1% three-month on three-month growth is the smallest since July 2016 when the growth was also 0.1% (Figure 2).

Real estate activities was the largest contributing sector to growth in the latest three months. It increased by 0.5% and contributed 0.08 percentage points.

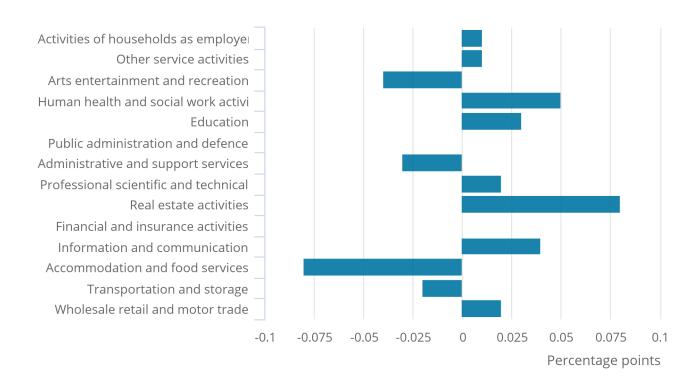
Accommodation and food services provided the largest downward contribution, with food and beverage services decreasing by 2% and contributing negative 0.05 percentage points (Figure 1).

# Figure 1: Real estate activities, and human health and social work were the highest contributors to the three-monthly growth

Contributions to growth, seasonally adjusted, UK, three months to November 2019

### Figure 1: Real estate activities, and human health and social work were the highest contributors to the three-monthly growth

Contributions to growth, seasonally adjusted, UK, three months to November 2019



#### Source: Office for National Statistics - Index of Services

Of the 14 sectors, eight saw growth in the three months to November 2019, with four showing a decrease, while two remained flat. Growth in the eight sectors was almost entirely offset by falls in transportation and storage, accommodation and food services, administrative and support services, and arts, entertainment and recreation.

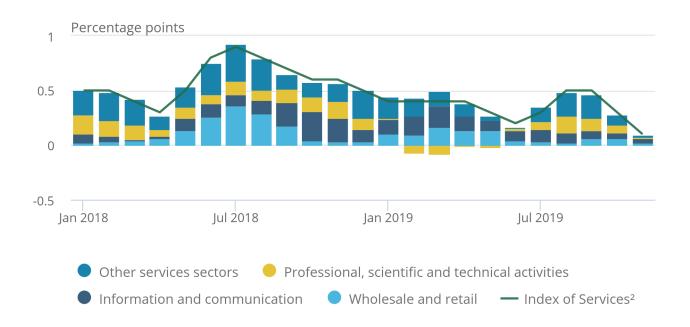
Despite growth in the wholesale, retail and motor trade sector, retail trade contributed negatively (0.02 percentage points); this is the first decline in this industry since April 2018, for more information please see <u>Retail</u> sales, Great Britain: November 2019.

#### Figure 2: Services growth in the three months to November 2019 is the lowest since July 2016

Three-month Index of Services growth and sector contributions<sup>1</sup> to growth, seasonally adjusted, UK, January 2018 to November 2019

# Figure 2: Services growth in the three months to November 2019 is the lowest since July 2016

Three-month Index of Services growth and sector contributions<sup>1</sup> to growth, seasonally adjusted, UK, January 2018 to November 2019



#### Source: Office for National Statistics - Index of Services

#### Notes:

- 1. Individual contributions may not sum to the total because of rounding.
- 2. Percentage change.

### 4. Month-on-month services growth

Services output decreased by 0.3% in November 2019, reversing the revised growth of 0.3% in October 2019.

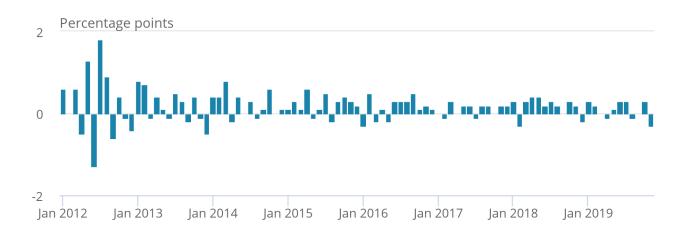
Index of Services (IoS) growth has been subdued through 2019 and has not seen monthly growth larger than 0.3% since May 2018, and 0.4% since September 2016 (Figure 3). Care should be taken when using the month-on-month growth rates as data can be volatile.

# Figure 3: The negative 0.3% growth in November 2019 is the lowest since February 2018 when it was also negative 0.3%

#### Monthly Index of Services growth, seasonally adjusted, UK, January 2012 to November 2019

Figure 3: The negative 0.3% growth in November 2019 is the lowest since February 2018 when it was also negative 0.3%

Monthly Index of Services growth, seasonally adjusted, UK, January 2012 to November 2019



#### Source: Office for National Statistics - Index of Services

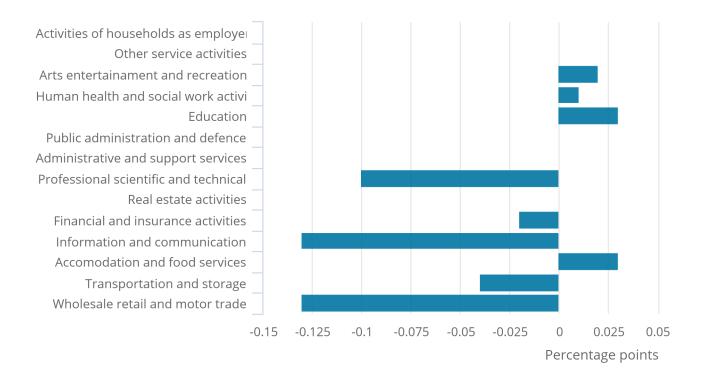
The three largest contributors to the negative growth were: wholesale, retail and motor trade, information and communication, and professional, scientific and technical sectors (Figure 4). All three sectors have recently had large growths: in October 2019 wholesale, retail and motor trade grew 0.5%, and professional, scientific and technical grew 1.3%; and in September 2019 information and communication grew 1.3%.

# Figure 4: Wholesale, retail and motor trade, and information and communication, were the highest contributors to the negative three-monthly growth

#### Contributions to growth, seasonally adjusted, UK, November 2019 compared to October 2019

### Figure 4: Wholesale, retail and motor trade, and information and communication, were the highest contributors to the negative three-monthly growth

Contributions to growth, seasonally adjusted, UK, November 2019 compared to October 2019



#### Source: Office for National Statistics - Index of Services

Wholesale trade, except for motor vehicles, was the largest contributor to the negative growth in the wholesale and retail trade sector. Also contributing negatively was retail trade (0.04 percentage points), with only household goods stores reporting growth; for more information please see <u>Retail sales, Great Britain: November 2019</u>.

### 5. Three-month on a year ago services growth

In the three months to November 2019, services output increased by 1.2% compared with the three months to November 2018. There has not been growth lower than the three months to November 2019 since the three months to December 2017, which also grew by 1.2% (Figure 5). The last time the growth in this indicator was lower was in April 2010 when it was 0.6%.

Services has been more subdued recently but also saw a strong summer in 2018, which will be a factor behind the current weakening in the three-month on three-month growth a year ago.

Public sector-dominated industries (public administration and defence, education, and human health and social work) continued to grow, contributing approximately one-third of the three-month on three-month a year ago growth in November 2019.

More detail on measuring public sector-dominated industries was covered in the <u>Index of Services, UK:</u> <u>September 2019</u>. All five of these industries increased in the latest three months.

# Figure 5: Services output increased by 1.2% in the three months to November 2019 compared with the same period a year ago, growth has been stronger than this since December 2017

Three-month on a year Index of Services growth, seasonally adjusted, UK, January 2012 to November 2019

Figure 5: Services output increased by 1.2% in the three months to November 2019 compared with the same period a year ago, growth has been stronger than this since December 2017

Three-month on a year Index of Services growth, seasonally adjusted, UK, January 2012 to November 2019

Rolling three-month percentage change



Source: Office for National Statistics – Index of Services

### 6. Links to related statistics

Alongside this publication, we publish the <u>Index of Production (IoP)</u> and <u>Construction output in Great Britain</u>, allowing for an estimate of <u>monthly gross domestic product (GDP)</u>, which is also published today (13 January 2020).

A <u>comparison between official estimates of UK output and diffusion indices</u>, looking at the level of correlation between Office for National Statistics data and IHS Markit and Chartered Institute of Procurement and Supply Purchasing Managers' Indices was published on 21 October 2019.

On 2 April 2019, we published <u>Services sector performance, UK: 2008 to 2018</u>. The article details the changes that have taken place in the UK services sector from 2008 to 2018. It also looks at the differences between public sector-dominated sectors and the rest of the Index of Services (IoS) and compares the growth of individual IoS sectors in more detail.

#### International comparisons

International comparison with the IoS is difficult, as most comparable economies do not produce equivalent estimates.

<u>Eurostat turnover in services estimates</u> are not comparable with the IoS, as they exclude the wholesale and retail trade; furthermore, most of the estimates are only available quarterly. The <u>US Bureau of Economic Analysis</u> also produces services output estimates, but only on a quarterly basis, with a four-month lag time. <u>Japan has a direct</u> equivalent of the IoS, but the estimates are not seasonally adjusted.

The <u>closest equivalent estimates are from Canada</u>, which produces a monthly output estimate of GDP with a breakdown by industry (including an aggregate for services). There are also comparable <u>quarterly estimates from</u> <u>Sweden</u> and <u>quarterly estimates from Ireland</u>.

### 7 . Quality and methodology

The monthly <u>Index of Services (IoS)</u> was developed to provide a timely indicator of growth in the output of services industries, at constant prices for the UK. The IoS is an important component of monthly output - gross domestic product output approach (GDP(o)) - representing about 79.6% of UK gross domestic product (GDP) as of 2016. The IoS shares the exact same industry coverage as the corresponding quarterly series within GDP(o).

These data are used to produce seasonally adjusted estimates of output at chained volume measures (removing the effect of price changes). Unless otherwise stated, all estimates included in this release are based on seasonally adjusted data.

The IoS is compiled using data from several different sources (Table 1); this is detailed further in the <u>GDP(o) data</u> <u>sources catalogue</u>. In addition, we include Value Added Tax (VAT) data across 42 Standard Industrial Classifications (SICs) for small- and medium-sized businesses. These have been used to supplement data from the Monthly Business Survey (MBS) for the period January 2016 to March 2019.

Further information on the use of VAT data was published in the <u>VAT turnover data in National Accounts</u>: <u>background and methodology</u>.

The <u>GDP(o) methods and sources pages</u> provide more information on the data that underpin these statistics; of particular note is the <u>GDP(o) data sources catalogue</u>.

Table 1: Percentage of each data source based on their gross value added weight, 2016 to 2019

	Percentage
Index of Services	100.0
Monthly Business Survey <sup>1</sup> (ONS)	42.4
Retail Sales Inquiry <sup>2</sup> (ONS)	6.7
Government Expenditure (ONS)	20.1
Households Expenditure (ONS)	16.0
Finance Expenditure (ONS)	8.3
Other <sup>3</sup>	6.5

Source: Office for National Statistics - GDP(O) source catalogue

#### Notes

- 1. The Monthly Business Survey (MBS) data are published alongside this release in <u>MBS turnover in services</u> industries.
- 2. Data relating to the retail industry are broadly comparable with <u>Retail sales, Great Britain: November 2019</u>, published on 14 November 2019.
- 3. For further information on what is included within Other, please see the <u>GDP(o) data sources catalogue</u>.

This November 2019 release contains revisions from January 2018 and is consistent with the <u>National Accounts</u> <u>Revisions Policy</u>. The revisions up to September 2019 are consistent with those published in the <u>Quarterly</u> <u>national accounts</u> on 20 December 2019.

Revisions can be made for a variety of reasons. The most common include:

- · late responses to surveys and administrative sources
- · forecasts being replaced by actual data
- revisions to seasonal adjustment factors, which are re-estimated every month and reviewed annually
- Her Majesty's Revenue and Customs (HMRC) VAT returns replacing MBS data for small- and mediumsized businesses when VAT estimates become available every quarter

Published alongside this release, the IoS datasets contain additional material, including:

- MBS response rates (current and historical)
- IoS and main component and sector indices to four decimal places
- publication tables
- revisions triangles
- lower-level time series data
- MBS turnover of services industries

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in the <u>Index of Services QMI</u>.

#### Office for National Statistics

#### Index of Services - Publication Tables

01633 4516

#### Press this symbol within the tables to return here.

Metadata Breakdown of metadata used in the IOS tables. Table 1 IOS 1 - Total services & Sections G-T (Index and Annual growth) IOS 1 - Total services & Sections G-T (Month on Month growth) Table 2 IOS 1 - Total services & Sections G-T ( 3 Months on 3 Months growth) Table 3 Table 4 **RIOS 1 - Index and Annual revisions** Table 5 **RIOS 1 - Month on Month revisions** Table 6 **RIOS 1 - 3 Months on 3 Months revisions** Table 7 **IOSCOMP - Components 45 - 47** (Index and Annual growth) Table 8 IOSCOMP- Components 45 - 47 (Month on Month arowth) Table 9 IOSCOMP - Components 45 - 47 ( 3 months on 3 months growth) Table 10 IOSCOMP - Components 49 - 52 (Index and Annual growth) Table 11 IOSCOMP - Components 49 - 52 (Month on Month growth) Table 12 IOSCOMP - Components 49 - 52 ( 3 Months on 3 Months growth) Table 13 IOSCOMP - Components 53 - 56 (Index and Annual growth) Table 14 **IOSCOMP - Components 53 - 56** (Month on Month growth) Table 15 IOSCOMP - Components 53 - 56 ( 3 Months on 3 Months growth) Table 16 IOSCOMP - Components 58 - 62 (Index and Annual growth) Table 17 IOSCOMP - Components 58 - 62 (Month on Month growth) IOSCOMP - Components 58 - 62 Table 18 ( 3 Months on 3 Months growth) Table 19 IOSCOMP - Components 63 - 66 (Index and Annual growth) IOSCOMP - Components 63 - 66 Table 20 (Month on Month growth) Table 21 IOSCOMP - components 63 - 66 ( 3 Months on 3 Months growth) Table 22 **IOSCOMP - components 68** (Index and Annual growth) **IOSCOMP - components 68** (Month on Month growth) Table 23 **IOSCOMP - components 68** Table 24 ( 3 Months on 3 Months growth) Table 25 IOSCOMP - components 69 - 72 (Index and Annual growth) Table 26 IOSCOMP - components 69 - 72 (Month on Month growth) Table 27 IOSCOMP - components 69 - 72 ( 3 Months on 3 Months growth) Table 28 

IOSCOMP - components 73 - 77

(Index and Annual growth)

Print All Ta

The below table provides a breakdown of what is inlcuded in the Index of Services including the four services categories, the section and industry levels.

Index of Services G & I: Distribution, hotels & catering H & J: Transport, storage & communications K - N: Business services & finance O - T: Government & other services C + LDistribution, hotels & catering
 C:Wholesale, retail and motor trade
 As Whotesale And Retail Trade And Repair CI Motor Vehicles And Motorcycles
 As Whotesale And Retail Trade And Whotor Vehicles And Motorcycles
 As Whotesale Trade, Except Of Motor Vehicles And Motorcycles
 It-Retail Trade, Except Of Motor Vehicles And Motorcycles
 It-Accommodation and food services
 It-f. Learnmodel. 55: Accommodation 56: Food And Beverage Service Activities 56: Food And Beverage Service Activities

4 **A** J.Transporti. storage & communications

H Transportian and storage
43: 1-2: Rail transport envices and transport services via pipelines, excluding rail transport
43: 43: A St. and transport envices and transport services via pipelines, excluding rail transport
50: Meter Transport envices and transport services via pipelines, excluding rail transport
50: Meter Transport envices
51: Meter Transport envices
52: Potal And Courier Activities
53: Potal And Courier Activities
54: Meter Activities
55: Molion Picture, Video & TV Programme Production, Sound Recording & Music Publishing Activities
56: Notion Picture, Video & TV Programme Production, Sound Recording & Music Publishing Activities
56: Programming Activities
51: Telecommunications
15: Telecomm 

### IOS: Index of Services <sup>1</sup> Chained volume indices

			Industry sections (SIC2007)		
			,		
				Business	Govern
	Total	Distribution	Transport,	services	ment and
	service	hotels and	storage and	and	other
	industries	restaurants	communication	finance	services
Section	G-T	G and I	H and J	K-N	0-T
2016 weights	1000	168	133	421	278
	S2KU	S2MV	KI7B	KI7L	KI7T
2014	95.9	92.7	93.8	95.4	99.8
2015	98.0	96.5	97.3	97.4	100.5
2016	100.0	100.0	100.0	100.0	100.0
2017	101.7	102.4	103.6	101.0	101.2
2018	103.7	105.5	107.6	102.8	101.9
2017 Nov	102.2	103.1	104.7	101.7	101.0
Dec	102.2	103.1	104.7	102.0	101.2
2018 Jan	102.4	102.8	105.4	102.6	101.2
Feb	102.8	103.4	103.4	102.0	101.2
Mar	102.4	103.0	104.4	102.4	101.2
Apr	102.7	104.1	105.9	102.4	101.6
May	103.5	105.8	106.6	102.7	101.7
Jun	103.6	105.8	107.0	102.7	101.7
			107.0		101.9
Jul	103.9	106.9		103.0	
Aug	104.1	106.6	109.0	102.9	102.1
Sep	104.2	106.1	109.9	102.8	102.2
Oct	104.5	106.8	109.5	103.4	102.4
Nov	104.8	107.7	110.0	103.4	102.4
Dec	104.5	106.7	110.6	103.0	102.6
019 Jan	104.9	108.1	111.5	102.8	102.7
Feb	105.1	108.3	111.5	103.2	103.0
Mar	105.1	108.5	111.5	103.0	103.2
Apr	105.1	108.3	112.3	102.7	103.2
May	105.2	108.5	111.8	102.9	103.4
Jun	105.4	108.6	112.3	103.2	103.7
Jul	105.8	108.7	113.3	103.5	103.7
Aug	105.7	108.7	112.1	103.5	104.1
Sep	105.7	108.4	112.9	103.4	104.0
Oct	105.9	108.6	113.4	103.8	104.0
Nov	105.6	108.0	112.0	103.5	104.2
Percentage change, late	st year on previous year				
J	S222	S243	KI77	KI7G	KI7C
014	2.1	3.5	1.4	2.7	0.8
015	2.2	4.0	3.7	2.1	0.7
016	2.0	3.7	2.8	2.7	-0.5
017	1.7	2.4	3.6	1.0	1.2
018	2.0	3.0	3.8	1.8	0.7
Percentage change, late	st month on same month a				
	S26Q	S28R	KI7A	KI7I	KI7G
017 Nov	1.2	1.5	3.5	0.5	0.9
Dec	1.3	0.8	4.0	1.0	0.8
018 Jan	1.6	2.0	4.0	1.5	0.4
Feb	1.3	1.4	2.6	1.6	0.3
Mar	1.3	0.9	3.0	1.7	0.3
Apr	1.8	1.6	2.8	2.6	
May	1.9	3.8	3.4	1.8	0.1
Jun	1.9	3.3	2.7	1.9	0.6
Jul	2.3	4.2	3.6	2.0	0.8
Aug	2.3	3.7	4.7	1.8	0.8
Sep	2.1	3.3	5.0	1.5	0.9
Oct	2.5	3.9	4.3	2.1	1.4
Nov	2.5	4.5	5.1	1.7	1.4
Dec	2.1	3.8	4.7	1.0	1.4
019 Jan	2.1	4.6	5.9	0.2	1.4
Feb	2.7	4.7	6.9	1.0	1.8
Mar	2.4	5.3	5.8	0.6	1.7
Apr	1.9	4.0	6.0	-0.1	1.6
May	1.6	2.5	4.9	0.2	1.6
Jun	1.8	2.6	4.9	0.4	1.8
Jul	1.8	1.7	5.7	0.6	1.7
Aug	1.5	2.1	2.9	0.5	1.9
Sep	1.4	2.2	2.5	0.5	1.3
Oct	1.4	1.7	3.6	0.5	1.5
	1.4	1./	0.0	U.4	1.3
Nov	0.8	0.3	1.8	0.1	1.8

The IOS output is designated as a National Statistic.
 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a Time series dataset



#### IOS: Index of Services<sup>1</sup>

Chained volume indices of gross value added  $^{\rm 2,3,4}$ 

seasonally adjusted 2016 = 100

	Industry sections (SIC2007)						
				Business	Govern-		
	<b>T</b>	B	<b>-</b> .				
	Total	Distribution	Transport,	services	ment and		
	service industries	hotels and restaurants	storage and communication	and finance	other services		
Castion	G-T			K-N	O-T		
Section		G and I	H and J				
2016 weights	1000	168	133	421	278		
Percentage change, late	st month on previous m	onth					
• • •	S222	S243	KI77	KI7G	KI7O		
2017 Nov	0.2	0.3	-0.2	0.5	-		
Dec	0.2	-0.3	1.0	0.3	0.2		
2018 Jan	0.3	0.6	-0.3	0.6	0.1		
Feb	-0.3	-	-0.9	-0.4	-0.1		
Mar	0.3	-0.4	1.0	0.3	0.3		
Apr	0.4	1.1	0.5	0.3	0.1		
May	0.4	1.7	0.6	-0.1	0.1		
Jun	0.2	-	0.4	0.1	0.2		
Jul	0.3	1.0	0.1	0.2	· · · · ·		
Aug	0.2	-0.4	1.7	-0.1	0.2		
Sep	-	-0.5	0.9	-0.1	0.1		
Oct	0.3	0.7	-0.4	0.5	0.2		
Nov	0.2	0.9	0.5	0.0	0.2		
Dec	-0.2	-1.0	0.5	-0.4	0.2		
2019 Jan	-0.2	-1.0	0.8	-0.4	0.2		
Feb	0.3	0.1	0.8	0.2	0.1		
	0.2		-				
Mar	-	0.1	-0.1	-0.2	0.2		
Apr	-0.1	-0.1	0.7	-0.3	-		
May	0.1	0.2	-0.4	0.2	0.1		
Jun	0.3	0.1	0.4	0.3	0.3		
Jul	0.3	0.1	0.9	0.4	-		
Aug	-0.1	-	-1.1	-0.1	0.4		
Sep	-	-0.4	0.7	-0.1	-0.1		
Oct	0.3	0.2	0.4	0.4	-		
Nov	-0.3	-0.6	-1.2	-0.3	0.2		
Percentage change, late	st 3 months on same 3	months a vear ago					
	S2G6	S2I7	KI7C	KI7J	KI7R		
2017 Nov	1.2	1.6	3.2	0.4	1.3		
Dec	1.2	1.3	3.5	0.6	1.0		
2018 Jan	1.4	1.4	3.8	1.0	0.7		
Feb	1.4	1.4	3.5	1.4	0.5		
Mar	1.4	1.4	3.2	1.6	0.3		
Apr	1.5	1.3	2.8	1.9	0.2		
May	1.7	2.1	3.1	2.0	0.2		
Jun	1.9	2.9	3.0	2.1	0.2		
Jul	2.0	3.8	3.2	1.9	0.5		
Aug	2.1	3.7	3.7	1.9	0.7		
Sep	2.2	3.7	4.5	1.8	0.8		
Oct	2.3	3.6	4.7	1.8	1.1		
Nov	2.4	3.9	4.8	1.8	1.2		
Dec	2.4	4.0	4.0	1.6	1.4		
2019 Jan	2.2	4.3	5.2	1.0	1.4		
Feb	2.3	4.3	5.8	0.8	1.5		
Mar	2.3	4.8	6.2	0.6	1.3		
Apr	2.4 2.3	4.8	6.2	0.6	1.7		
May	2.3 2.0	4.6	5.6	0.5	1.7		
	2.0	3.9 3.0	5.6	0.2	1.7		
Jun							
Jul	1.7	2.2	5.2	0.4	1.7		
Aug	1.7	2.1	4.5	0.5	1.8		
Sep	1.6	2.0	3.8	0.5	1.8		
Oct	1.4	2.0	3.1	0.5	1.7		
Nov	1.2	1.4	2.7	0.3	1.7		

The IOS output is designated as a National Statistic.
 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 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 as a <u>Time series dataset</u>



#### IOS: Index of Services<sup>1</sup>

Chained volume indices of gross value  $\operatorname{added}^{2,3,4}$ 

seasonally adjusted 2016 = 100

			Industry sections (SIC200)	7)	
				Business	Govern
	Total	Distribution	Transport,	services	ment and
	service	hotels and	storage and	and	other
	industries	restaurants	communication	finance	services
Section	G-T	G and I	H and J	K-N	0-1
2016 weights	1000	168	133	421	278
Percentage change, late	est 3 months on previou	s 3 month			
	S2BG	S2DH	KI7D	KI7K	KI7S
2017 Nov	0.3	0.2	0.9	0.5	-0.1
Dec	0.4	0.2	1.0	0.5	-0.2
2018 Jan	0.5	0.4	0.7	0.9	
Feb	0.5	0.4	0.3	0.8	0.1
Mar	0.4	0.4	-0.1	0.7	0.2
Apr	0.3	0.4	-	0.3	0.2
May	0.5	1.1	0.8	0.4	0.4
Jun	0.8	1.9	1.4	0.3	0.4
Jul	0.9	2.6	1.6	0.4	0.4
Aug	0.8	2.0	1.7	0.3	0.4
Sep	0.7	1.2	2.0	0.2	0.4
Oct	0.6	0.2	2.3	0.2	0.4
Nov	0.6	0.4	1.9	0.3	0.4
Dec	0.5	0.5	1.2	0.3	0.4
2019 Jan	0.4	1.0	1.2	-	0.0
Feb	0.4	0.8	1.3	-0.2	0.4
Mar	0.4	1.2	1.3	-0.2	0.5
Apr	0.4	0.8	0.9	-0.1	0.5
May	0.3	0.6	0.6	-0.1	0.5
Jun	0.2	0.1	0.5	-0.1	0.4
Jul	0.3	0.2	0.6	0.2	0.4
Aug	0.5	0.3	0.6	0.5	0.5
Sep	0.5	0.2	0.6	0.5	0.5
Oct	0.3	-	0.3	0.3	0.4
Nov	0.1	-0.3	0.1	0.1	0.2

The IOS output is designated as a National Statistic.
 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

#### RIOS1 INS: Index of Services Revisions since previously published estimates

seasonally adjusted 2016 = 100

ection 016 weights 2014 2015 2016 2017 2018 2017 Oct Nov Dec 2018 Jan Feb Mar	Total service industries G-T 1000 S2KU - - - - - - - - - - - - - - - - - - -	Distribution hotels and restaurants G and I 168 S2MV	Transport, storage and communication H and J 133 KI7B	Business services and finance K-N 421 KI7L	Govern- ment and other services O-T 278
016 weights 2014 2015 2016 2017 2018 2017 Oct Nov Dec 2018 Jan Feb	industries G-T 1000 S2KU - -	restaurants G and I 168 S2MV	communication H and J 133 KI7B	finance K-N 421	services O-T
016 weights 2014 2015 2016 2017 2018 2017 Oct Nov Dec 2018 Jan Feb	1000 S2KU - -	168 S2MV - -	133 KI7B	421	
2014 2015 2016 2017 2018 2017 Oct Nov Dec 2018 Jan Feb	\$2KU - - -	S2MV - -	KI7B		278
2015 2016 2017 2018 2017 Oct Nov Dec 2018 Jan Feb		- - -		KI7L	
2015 2016 2017 2018 2017 Oct Nov Dec 2018 Jan Feb	-	-	-		KI7T
2016 2017 2018 2017 Oct Nov Dec 2018 Jan Feb	-	-		-	-
2017 2018 2017 Oct Nov Dec 2018 Jan Feb	-		-	-	-
2018 2017 Oct Nov Dec 2018 Jan Feb	-0.1		-	-	-
2017 Oct Nov Dec 2018 Jan Feb	-0.1	-	-	-	-
2017 Oct Nov Dec 2018 Jan Feb		0.1	0.7	-0.4	-0.4
Nov Dec 2018 Jan Feb					
Dec 2018 Jan Feb	-	-	-	-	-
Dec 2018 Jan Feb	-	-	-	-	
2018 Jan Feb	-	-	-	-	-
Feb	-	0.2	0.8	-0.2	-0.5
	-0.1	0.2	0.7	-0.3	-0.4
	-0.1	0.1	0.7	-0.3	-0.4
Apr	-0.1	0.1	0.6	-0.4	-0.4
May	-0.1 -0.3	0.2 0.2	0.6 0.2	-0.3 -0.5	-0.4 -0.4
Jun					
Jul	-0.2	0.3	0.4	-0.5	-0.4
Aug	-0.2	0.3	0.8	-0.4	-0.5
Sep	-0.1	0.4	0.9	-0.6	-0.4
Oct	-0.1	0.3	0.9	-0.4	-0.3
Nov	-0.1	-	0.7	-0.4	-0.4
Dec	-0.3	-	0.2	-0.4	-0.4
2019 Jan	-0.2	0.3	0.5	-0.5	-0.5
Feb	-0.1	0.4	0.4	-0.3	-0.4
Mar	-0.1	0.4	0.4	-0.4	-0.4
Apr	-0.1	0.4	0.6	-0.5	-0.3
May	-0.1	0.6	0.2	-0.5	-0.1
Jun	-0.1	0.6	0.2	-0.4	0.1
Jul	-0.1	0.5	0.2	-0.4	-0.1
Aug		0.5	0.3	-0.3	-0.1
		0.5	0.3		-0.1
Sep	-			-0.3	
Oct	-	0.5	0.5	-0.1	-0.2
ercentage change, latest ye	ear on previous vear				
	S222	S243	KI77	KI7G	KI7O
0011	5222	5243	KI//	KI/G	KI/U
2014	-	-	-	-	-
2015	-	-	-	-	-
2016	-	-	-	-	-
2017	-	-	-	-	-
2018	-0.1	0.2	0.6	-0.3	-0.4
ercentage change, latest m	onth on same mont	h a year ago			
	S26Q	S28R	KI7A	KI7I	KI7Q
2017 Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2018 Jan	-0.1	0.3	0.8	-0.3	-0.5
Feb	-0.2	0.2	0.6	-0.2	-0.4
Mar	-0.2	0.1	0.6	-0.2	-0.4
Apr	-0.1	0.1	0.6	-0.3	-0.4
May	-0.2	0.2	0.6	-0.4	-0.4
Jun	-0.2	0.2	0.0	-0.4	-0.4
Jul	-0.2	0.2	0.2	-0.5	-0.4
Aug	-0.1	0.2	0.7	-0.4	-0.4
Sep	-0.2	0.3	0.9	-0.6	-0.4
Oct	-0.1	0.2	0.9	-0.4	-0.3
Nov	-0.2	0.1	0.7	-0.4	-0.3
Dec	-0.2	-	0.3	-0.4	-0.4
2019 Jan	-0.1	0.1	-0.2	-0.3	-
Feb	-	0.3	-0.2	-0.1	-
Mar	-	0.3	-0.3	-	-
Apr	-	0.2	-0.1	-0.2	0.1
May	-	0.4	-0.4	-0.2	0.2
Jun	0.2	0.4	-0.1	0.1	0.4
Jul	0.2	0.4	-0.1	0.1	0.4
			-0.1		0.2
Aug	0.1	0.4		0.1	
Sep Oct	0.1 0.2	0.2 0.2	-0.5 -0.4	0.2 0.3	0.3 0.1

The earliest period open for revision is January 2018



#### IOS: Index of Services Revisions since previously published estimates

seasonally adjusted 2016 = 100

	Industry sections (SIC2007)					
	Total	Distribution	Transport,	Business services	Govern- ment and	
	service	hotels and restaurants	storage and communication	and	other	
Section	G-T	G and I	H and J	K-N	0-T	
2016 weights	1000	168	133	421	278	
Percentage change, lates	st month on previous	s month				
0 0 /	S222	S243	KI77	KI7G	KI7O	
2017 Oct	-	-	-	-	-	
Nov	-	-	-	-	-	
Dec	-	-		-	-	
2018 Jan	-0.1	0.3	0.7	-0.2	-0.5	
Feb	-	-0.1	-0.1	-	0.1	
Mar	-	-	0.1		-	
Apr	-	-	-0.1	-0.1	-	
May	-	0.1	-	-0.1	-	
Jun Jul	-0.1 0.1	-0.1 0.1	-0.3 0.1	-0.1	-	
Aug	0.1	-0.1	0.1	0.1	-	
Sep	0.1	-0.1	0.4	-0.2	-	
Oct	-	-0.1	0.2	-0.2	0.1	
Nov	-0.1	-0.1	-0.2	-	0.1	
Dec	-0.1	-0.1	-0.2	-	_	
2019 Jan	-	0.3	0.2	-0.1	-0.1	
Feb	_	0.5	-0.1	0.1	-0.1	
Mar	-	-0.1	-	-		
Apr	-0.1	-	0.1	-0.1	0.1	
May	-	0.3	-0.3	-	0.1	
Jun	0.1	-	_	0.1	0.1	
Jul	· -	-	0.1	0.2	-0.1	
Aug	-	-	-	-	0.1	
Sep	-	-0.1	0.1	-	-	
Oct	0.1	-0.1	-	0.2	-0.1	
Percentage change, lates	st 3 months on same	3 months a year a	go			
	S2G6	S217	KI7C	KI7J	KI7R	
2017 Oct	-	-	-	-	-	
Nov	-	-	-	-	-	
Dec	-	-		-	-	
2018 Jan	-	-	0.2	-0.1	-0.2	
Feb	-0.1	0.1 0.1	0.4	-0.1	-0.3	
Mar	-0.1	••••	0.7	-0.2	-0.5	
Apr May	-0.1 -0.1	0.1 0.1	0.6 0.6	-0.3 -0.3	-0.4 -0.3	
Jun	-0.1	0.1	0.6	-0.3 -0.4	-0.3	
Jul	-0.1	0.2	0.3	-0.4	-0.4	
Aug	-0.2	0.2	0.4	-0.5	-0.4	
Sep	-0.2	0.3	0.7	-0.4	-0.4	
Oct	-0.1	0.2	0.8	-0.5	-0.3	
Nov	-0.1	0.2	0.8	-0.4	-0.4	
Dec	-0.2	-	0.6	-0.4	-0.3	
2019 Jan	-0.2	0.1	0.2	-0.3	-0.2	
Feb	-0.1	0.1	-0.1	-0.2	-0.1	
Mar	-	0.1	-0.3	-0.2	0.1	
Apr	-	0.2	-0.2	-0.1	0.1	
May	-	0.3	-0.2	-0.2	0.2	
Jun	0.1	0.3	-0.1	-0.1	0.3	
Jul	0.1	0.3	-0.1	-	0.3	
Aug	0.2	0.3	-0.2	0.1	0.3	
Sep	0.2	0.3	-0.3	0.1	0.3	
Oct	0.1	0.3	-0.4	0.2	0.2	

The earliest period open for revision is January 2018



#### IOS: Index of Services

Revisions since previously published estimates

seasonally adjusted 2016 = 100

			Industry sections (SIC200)	7)	
				Business	Govern
	Total	Distribution	Transport,	services	ment and
		hotels and		and	other
	industries	restaurants	communication	finance	services
Section	G-T	G and I	H and J	K-N	0-1
2016 weights	1000	168	133	421	278
ercentage change, late	est 3 months on previous	s 3 months			
• •	S2BG	S2DH	KI7D	KI7K	KI7S
2017 Oct	-	-	-	-	
Nov	-	-	-	-	
Dec	-	-	-	-	
2018 Jan	-	0.1	0.3	-	-0.1
Feb	-	0.2	0.4	-0.2	-0.3
Mar	-0.1	0.2	0.7	-0.3	-0.5
Apr	-0.1	-	0.4	-0.2	-0.3
May	-0.1	0.1	0.2	-0.1	
Jun	-	-	-0.2	-0.2	0.1
Jul	-0.1	0.1	-0.3	-0.1	
Aug	-0.1	-	-0.1	-0.1	
Sep	0.1	0.1	0.2	-	
Oct	0.1	-	0.4	-	
Nov	0.1	-	0.3	-	0.1
Dec	-	-0.2	-0.1	-	0.1
2019 Jan	-0.1	-0.1	-0.3	-	
Feb	-	-	-0.4	-	-0.1
Mar	-	0.3	-0.2	0.1	-0.1
Apr	0.1	0.3	-0.1	0.1	
May	0.1	0.1	-	-	0.2
Jun	0.1	0.1	-0.1	-0.1	0.2
Jul	-	0.1	-0.2	-0.1	0.2
Aug	0.1	0.1	-0.1	0.1	0.1
Sep	0.1	0.1	-	0.2	0.1
Oct	0.1	-	0.1	0.2	

The earliest period open for revision is January 2018

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

			Industry components (S	IC2007)	
		Wholesale	10/1	Detail to de	
	Whelesele	and retail trade	Wholesale	Retail trade,	
	Wholesale,	and repair of	trade, except of	except of	-
	retail and	motor vehicles	motor vehicles	motor vehicles	Transportatio
	motor trades	and motorcycles	and motorcycles	and motorcycles	and storag
Component	G	45	46 44	47	
016 weights	<u>131</u> S2KV	21 S2KW	S2KX	66	5 52K
2014	92.3	84.1	97.1	S2KY 92.0	100.
2014	95.9	91.5	99.0	95.5	101.
2015	100.0	100.0	100.0	100.0	100.
2017	100.0	101.8	100.0	102.0	100.
2017	102.5	101.8	103.5	102.0	101.
2018	105.7	101.5	109.7	104.5	103.
2017 Nov	103.3	100.8	105.0	103.0	101.
Dec	102.9	100.8	104.5	102.4	101.
2018 Jan	102.5	102.7	105.2	102.4	101.
Feb	103.4	102.7	105.2	102.4	102.
Mar		101.2			
	103.0		106.6	101.5	100.
Apr	104.2	101.0	107.4	103.0	101.
May	106.2	102.5	109.3	105.3	103.
Jun	106.0	101.1	110.3	104.7	104.
Jul	107.2	101.3	112.8	105.3	104.
Aug	107.1	102.0	111.2	105.9	104.
Sep	106.3	98.4	111.5	105.4	104.
Oct	106.9	101.5	111.9	105.3	105.
Nov	107.8	101.6	112.7	106.6	105.
Dec	106.6	101.4	110.6	105.7	105.
2019 Jan	108.3	103.6	112.7	106.9	105.
Feb	108.4	103.2	112.7	107.2	105.
Mar	108.8	101.6	112.6	108.6	105.
Apr	108.8	102.9	112.6	108.2	105.
May	109.1	102.5	114.1	107.9	104.
Jun	108.6	102.5	111.4	107.5	104.
Jul	109.1	102.5	112.7	109.1	104.
Aug	109.5	103.9	112.7	108.7	100.
	109.2		113.3		
Sep		100.7		108.7	104.
Oct Nov	109.7 108.7	102.5 102.7	114.8 112.7	108.6 108.0	105. 104.
Percentage change, latest	vear on previous vear				
ereentage enange, latest	S223	S224	S225	S226	S22
2014	4.1	7.3	3.7	3.5	3.
2015	3.9	8.8	2.0	3.8	0.
	4.2	9.3	1.0	4.8	-1.
2016		0.0		2.0	
2016	25	1.8	35		
2017	2.5 3.2	1.8 -0.5	3.5 5.9		
2017 2018	3.2	-0.5	3.5 5.9	2.0	
2017 2018 Percentage change, latest	3.2 month on same month S26R	-0.5 <b>a year ago</b> S26S	5.9 S26T	2.5 S26U	1. S26
2017 2018 Percentage change, latest 2017 Nov	3.2 month on same month S26R 1.6	-0.5 <b>a year ago</b> S26S 0.2	5.9 S26T 3.2	2.5 S26U 1.0	1. S26 2.
2017 2018 Percentage change, latest 2017 Nov Dec	3.2 month on same month S26R 1.6 0.6	-0.5 <b>a year ago</b> S26S 0.2 -2.9	5.9 S26T 3.2 0.1	2.5 S26U 1.0 1.9	1. S26 2. 2.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan	3.2 month on same month S26R 1.6 0.6 2.0	-0.5 a year ago S26S 0.2 -2.9 1.5	5.9 S26T 3.2 0.1 2.8	2.5 S26U 1.0 1.9 1.6	1. S26 2. 2. 0.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb	3.2 month on same month S26R 1.6 0.6 2.0 2.0	-0.5 <b>a year ago</b> S26S 0.2 -2.9 1.5 0.6	5.9 S26T 3.2 0.1 2.8 3.6	2.5 S26U 1.0 1.9 1.6 1.4	1. S26 2. 2. 0. -0.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar	3.2 month on same month S26R 1.6 0.6 2.0 2.0 0.9	-0.5 a year ago S26S 0.2 -2.9 1.5 0.6 -5.5	5.9 S26T 3.2 0.1 2.8 3.6 4.3	2.5 S26U 1.0 1.9 1.6 1.4 0.8	1. S26 2. 2. 0. -0. -1.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr	3.2 month on same month S26R 1.6 0.6 2.0 2.0 0.9 1.9	-0.5 a year ago S26S 0.2 -2.9 1.5 0.6 -5.5 1.8	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5	1. \$26 2. 2. 0. -0. -1. 0.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar	3.2 month on same month S26R 1.6 0.6 2.0 2.0 0.9 1.9 4.4	-0.5 a year ago S26S 0.2 -2.9 1.5 0.6 -5.5 1.8 1.5	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7	1. S26 2. 2. 0. -0. -1. 0. 1.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr	3.2 month on same month S26R 1.6 0.6 2.0 2.0 0.9 1.9	-0.5 a year ago S26S 0.2 -2.9 1.5 0.6 -5.5 1.8	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5	1. S26 2. 2. 0. -0. -1. 0. 1.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May	3.2 month on same month S26R 1.6 0.6 2.0 2.0 0.9 1.9 4.4	-0.5 a year ago S26S 0.2 -2.9 1.5 0.6 -5.5 1.8 1.5	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7	1. S26 2. 2. 0. -0. -1. 0. 1. 3.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun	3.2 month on same month S26R 1.6 0.6 2.0 0.9 1.9 4.4 3.2	-0.5 a year ago S26S 0.2 -2.9 1.5 0.6 -5.5 -5.5 1.8 1.5 0.6 -7.7	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9	1. S26 2. 0. -0. -1. 1. 3. 2.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun Jul Aug	3.2 month on same month S26R 1.6 0.6 2.0 2.0 0.9 1.9 4.4 3.2 4.8	-0.5 a year ago 2.29 1.5 0.6 -5.5 1.8 1.5 -0.7 -0.8	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9 3.6	1. S26 2. 2. 0. -0. -1. 0. 1. 3. 2. 2.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun Jul Aug Sep	3.2 month on same month S26R 1.6 0.6 2.0 0.9 1.9 4.4 3.2 4.8 4.0 3.1	-0.5 a year ago S26S 0.2 -2.9 1.5 0.6 -5.5 1.8 1.5 -0.7 -0.8 -0.6 -4.9	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2 7.5 7.1	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9 3.6 3.2 3.0	1. S26 2. 2. 0. -0. -1. 0. 1. 3. 2. 2. 2.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct	3.2 month on same month S26R 1.6 0.6 2.0 2.0 0.9 1.9 4.4 3.2 4.8 4.0 3.1 3.7	-0.5 a year ago S26S 0.2 -2.9 1.5 0.6 -5.5 1.8 1.5 -0.6 -0.8 -0.6 -4.9 0.2	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2 7.5 7.1 7.2	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9 3.6 3.2 3.0 2.5	1. S26 2. 0. -0. -1. 1. 3. 2. 2. 2. 2.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun Jun Jun Jun Jun Jun Sep Oct Nov	3.2 month on same month S26R 1.6 0.6 2.0 2.0 1.9 4.4 3.2 4.8 4.0 3.1 3.7 4.4	-0.5 a year ago 2.9 1.5 0.6 -5.5 1.8 1.5 -0.7 -0.7 -0.6 -4.9 0.2 0.8	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2 7.5 7.1 7.2 7.4	2.5 S26U 1.0 1.9 1.6 1.4 0.5 3.7 2.9 3.6 3.2 3.0 2.5 3.4	1. S26 2. 2. 0. -0. -1. 1. 3. 2. 2. 2. 3.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Jul Aug Sep Oct Nov Dec	3.2 month on same month S26R 1.6 0.6 2.0 0.9 1.9 4.4 3.2 4.8 4.0 3.1 3.7 4.4 3.7	-0.5 a year ago S26S 0.2 -2.9 1.5 0.6 -5.5 1.8 1.5 -0.7 -0.8 -0.8 -0.8 -0.8 -0.8 -0.8 -0.2 0.2 0.2 0.2 0.6	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2 7.5 7.1 7.2 7.4 5.8	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9 3.6 3.2 3.0 2.5 3.4 3.2	1. S26 2. 0. -0. -1. 1. 0. 1. 2. 2. 2. 2. 2. 3. 3. 3.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan	3.2 month on same month S26R 1.6 0.6 2.0 2.0 0.9 1.9 4.4 3.2 4.8 4.0 3.1 3.7 4.4 4.3 4.7	-0.5 a year ago S26S 0.2 -2.9 1.5 0.6 -5.5 1.8 1.5 -0.6 -4.9 0.2 0.8 0.6 0.9	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2 7.5 7.1 7.2 7.4 5.8 7.1	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9 3.6 3.2 3.0 2.5 3.4 3.2 4.3	1. S26 2. 0. -0. -1. 1. 3. 2. 2. 2. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb	3.2 month on same month S26R 1.6 0.6 2.0 2.0 0.9 1.9 4.4 3.2 4.8 4.0 3.1 3.7 4.4 3.7 4.4 3.7 4.4 4.3 3.7 4.4	-0.5 a year ago 2.9 1.5 0.6 -5.5 1.8 1.5 -0.7 -0.8 -0.6 -4.9 0.2 0.8 0.6 0.9 0.2 0.8 0.6 0.9 0.2 0.8 0.6 0.9 0.2 0.8 0.6 0.9 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2 7.5 7.1 7.2 7.4 5.8	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9 3.6 3.2 3.0 2.5 3.4 3.2 3.4 3.2 4.3 4.2	1. S26 2. 0. -0. -1. 1. 3. 2. 2. 2. 3. 3. 3. 4.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar	3.2 month on same month S26R 1.6 0.6 2.0 0.9 1.9 4.4 3.2 4.8 4.0 3.1 3.7 4.4 3.7 4.4 4.3 5.6	-0.5 <b>a year ago</b> S26S 0.2 -2.9 1.5 0.6 -5.5 1.8 1.5 0.7 -0.8 -0.7 -0.8 -0.8 -0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2 7.5 7.1 7.2 7.4 5.8 7.1 5.8 5.7	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9 3.6 3.2 3.0 2.5 3.4 3.2 4.3 4.2 6.9	1. S26 2. 2. 0. -0. -1. 0. 1. 3. 2. 2. 2. 2. 2. 3. 3. 3. 3. 3. 4. 4.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr	3.2 month on same month S26R 1.6 0.6 2.0 0.9 1.9 4.4 3.2 4.8 4.0 3.1 3.7 4.4 3.7 4.7 4.4 5.6 4.4	-0.5 <b>a year ago</b> S26S 0.2 -2.9 1.5 0.6 -5.5 1.8 1.5 -0.7 -0.8 -0.6 -4.9 0.2 0.8 0.6 0.2 0.8 0.6 -3.5 1.8 1.5 0.0 -5.5 1.8 1.5 0.0 -5.5 1.8 1.5 0.0 -5.5 1.8 1.5 0.6 -5.5 1.8 1.5 0.6 -5.5 1.8 1.5 0.6 -5.5 1.8 1.5 0.6 -5.5 1.8 1.5 0.6 -5.5 1.8 -0.6 -0.5 1.8 -0.6 -0.5 1.8 -0.6 -0.5 1.8 -0.6 -0.8 -0.6 -0.8 -0.6 -0.8 -0.6 -0.5 -0.8 -0.6 -0.8 -0.6 -0.5 -0.8 -0.6 -0.5 -0.8 -0.6 -0.8 -0.6 -0.2 -0.8 -0.6 -0.2 -0.8 -0.6 -0.5 -0.8 -0.6 -0.2 -0.8 -0.6 -0.2 -0.8 -0.6 -0.2 -0.8 -0.6 -0.2 -0.8 -0.6 -0.2 -0.8 -0.6 -0.2 -0.8 -0.6 -0.8 -0.6 -0.2 -0.8 -0.6 -0.8 -0.6 -0.8 -0.6 -0.8 -0.6 -0.8 -0.6 -0.8 -0.6 -0.8 -0.8 -0.6 -0.8 -0.8 -0.6 -0.9 -0.8 -0.6 -0.9 -0.8 -0.6 -0.9 -0.8 -0.6 -0.9 -0.8 -0.6 -0.9 -0.9 -0.8 -0.9 -0.9 -0.8 -0.9 -	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2 7.5 7.1 7.2 7.4 5.8 7.1 5.8 7.1 5.8 7.1	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9 3.6 3.2 3.0 2.5 3.4 3.2 4.3 4.2 6.9 5.0	1. S26 2. 2. 0. -0. -1. 0. 1. 3. 2. 2. 2. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May May	3.2 month on same month S26R 1.6 0.6 2.0 2.0 0.9 1.9 4.4 3.2 4.8 4.0 3.1 3.7 4.4 3.7 4.4 4.3 3.7 4.4 5.6 4.4 2.8	-0.5 a year ago 2.9 1.5 0.6 -5.5 1.8 1.5 -0.7 -0.8 -0.6 -4.9 0.2 0.8 0.6 0.9 0.2 0.8 0.6 0.9 0.2 0.8 0.6 0.9 0.2 0.3 1.3 1.3 1.3	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2 7.5 7.1 7.2 7.4 5.8 7.1 5.8 5.7 4.8 4.5	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9 3.6 3.2 3.0 2.5 3.4 3.2 4.3 4.2 6.9 5.0 2.5	1. S26 2. 0. -0. -1. 0. 1. 3. 2. 2. 2. 3. 3. 3. 4. 4. 3. 1. 3. 3. 3. 3. 3. 4. 4. 3. 1. 3. 3. 3. 3. 4. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr Apr May Jun	3.2 month on same month S26R 1.6 0.6 2.0 0.9 1.9 4.4 3.2 4.8 4.0 3.1 3.7 4.4 4.3 3.7 4.4 4.8 4.0 3.1 3.7 4.4 4.8 4.0 3.1 3.7 4.4 4.8 4.0 3.1 3.7 4.4 4.4 2.8 2.4	-0.5 <b>a year ago</b> S26S 0.2 -2.9 1.5 0.6 -5.5 1.8 1.5 0.7 -0.8 -0.7 -0.8 -0.2 0.8 0.2 0.8 0.2 0.9 2.0 0.1 3 1.5 -4.9 0.2 0.8 -4.9 0.2 0.8 -4.9 0.2 -4.9 0.2 -5.5 -5.5 -0.7 -0.8 -0.9 -0.2 -0.8 -0.2 -0.9 -0.1 -0.3 -0.	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2 7.5 7.1 7.2 7.4 5.8 5.7 4.8 5.7 4.8 4.5 1.0	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9 3.6 3.2 3.0 2.5 3.4 3.2 4.3 4.2 6.9 5.0 2.5 3.7	1. S26 2. 0. -0. -1. 1. 3. 2. 2. 2. 2. 2. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr Apr May Jun Jul Jul Jul Jul Jul Jul Jul Jul Jul Jul	3.2 month on same month S26R 1.6 0.6 2.0 0.9 1.9 4.4 4.8 4.0 3.1 3.7 4.7 4.4 3.7 4.7 4.4 5.6 4.4 2.4 1.8	-0.5 <b>a year ago</b> S26S 0.2 -2.9 1.5 0.6 -5.5 1.8 1.5 -0.7 -0.8 -0.6 -4.9 0.2 0.8 0.6 0.2 0.8 0.6 -4.9 0.2 0.8 0.6 -4.9 0.2 0.8 0.6 -4.9 0.2 -5.5 1.8 -5.5 1.8 -5.5 1.8 -5.5 1.8 -0.7 -0.8 -0.6 -4.9 0.2 -5.5 1.8 -5.5 1.8 -0.6 -4.9 -0.7 -0.8 -0.6 -4.9 0.2 -0.7 -0.8 -0.6 -4.9 -0.7 -0.8 -0.6 -4.9 -0.7 -0.8 -0.6 -4.9 -0.2 0.2 -0.7 -0.8 -0.6 -4.9 -0.7 -0.8 -0.6 -4.9 -0.2 0.2 -0.7 -0.8 -0.6 -4.9 -0.2 0.2 -0.7 -0.8 -0.6 -4.9 -0.2 0.8 0.9 2.0 1.3 1.8 -0.7 -0.8 -0.6 -1.5 -0.7 -0.8 -0.6 -0.7 -0.8 -0.6 -0.7 -0.8 -0.6 -0.7 -0.8 -0.6 -0.7 -0.8 -0.6 -0.7 -0.8 -0.6 -0.9 -0	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2 7.5 7.1 7.2 7.4 5.8 7.1 5.8 7.1 5.8 7.1 5.8 7.1 5.7 4.8 4.5 1.0 0.0	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9 3.6 3.2 3.0 2.5 3.4 3.0 2.5 3.4 3.2 4.3 4.2 6.9 5.0 2.5 3.7 3.6	1. S26 2. 0. -0. -1. 1. 3. 2. 2. 2. 2. 3. 3. 3. 3. 3. 4. 4. 4. 4. 3. 1. 1. 0. 1.
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Aug	3.2 month on same month S26R 1.6 0.6 2.0 0.9 1.9 4.4 3.2 4.8 4.0 3.1 3.7 4.4 3.7 4.4 4.3 3.7 4.4 4.5 6 4.4 5.6 4.4 2.8 2.4 1.8 2.3	-0.5 a year ago 2.9 1.5 0.6 -5.5 1.8 1.5 -0.7 -0.8 -0.6 -4.9 0.2 0.8 0.6 -4.9 0.2 0.8 0.6 2.0 1.3 1.3 1.3 1.3 1.4 0.2 1.9	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2 7.5 7.1 7.2 7.4 5.8 7.1 5.8 5.7 4.8 4.5 1.0 -0.1 1.9	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9 3.6 3.2 3.0 2.5 3.4 3.2 4.3 4.2 6.9 5.0 2.5 3.7 3.6 2.5 3.4 3.2 3.5 3.4 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.6 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.4 3.2 3.5 3.4 3.2 3.5 3.4 3.2 3.5 3.4 3.5 3.5 3.5 3.4 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	1. S26 2. 0. -0. -1. 0. 1. 3. 2. 2. 2. 3. 3. 4. 4. 3. 1. 0. 1. 0. 1. 0. 1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Jul Jul Jul Jul Jul Jul Jul Jul Jul	3.2 month on same month S26R 1.6 0.6 2.0 0.9 1.9 4.4 3.2 4.8 4.0 3.1 3.7 4.4 4.3 3.7 4.4 4.8 4.0 3.1 3.7 4.4 4.8 4.0 3.1 3.7 4.4 4.8 4.0 3.1 3.7 4.4 4.8 4.0 3.1 3.7 4.4 4.8 4.0 5.6 6 4.4 4.2 5.6 7.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	-0.5 <b>a year ago</b> S26S 0.2 -2.9 1.5 0.6 -5.5 1.8 1.5 -0.7 -0.8 -0.6 -4.9 0.2 0.8 0.6 0.2 0.8 0.6 -4.9 0.2 0.8 0.6 -4.9 0.2 0.8 0.6 -4.9 0.2 -5.5 1.8 -5.5 1.8 -5.5 1.8 -5.5 1.8 -0.7 -0.8 -0.6 -4.9 0.2 -5.5 1.8 -5.5 1.8 -0.6 -4.9 -0.7 -0.8 -0.6 -4.9 0.2 -0.7 -0.8 -0.6 -4.9 -0.7 -0.8 -0.6 -4.9 -0.7 -0.8 -0.6 -4.9 -0.2 0.2 -0.7 -0.8 -0.6 -4.9 -0.7 -0.8 -0.6 -4.9 -0.2 0.2 -0.7 -0.8 -0.6 -4.9 -0.2 0.2 -0.7 -0.8 -0.6 -4.9 -0.2 0.8 0.9 2.0 1.3 1.8 -0.7 -0.8 -0.6 -1.5 -0.7 -0.8 -0.6 -0.7 -0.8 -0.6 -0.7 -0.8 -0.6 -0.7 -0.8 -0.6 -0.7 -0.8 -0.6 -0.7 -0.8 -0.6 -0.9 -0	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2 7.5 7.1 7.2 7.4 5.8 5.7 4.8 4.5 1.0 -0.1 1.9 2.3	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9 3.6 3.2 3.0 2.5 3.4 3.2 4.3 4.2 6.9 5.0 2.5 3.7 3.6 2.5 3.7 3.6 3.7 3.6 3.2 3.4 3.2 4.3 4.2 6.9 5.0 2.5 3.7 3.6 3.7 3.6 3.2 3.4 3.2 3.7 3.6 3.2 3.4 3.2 3.4 3.2 3.4 3.2 3.4 3.2 3.4 3.2 3.4 3.2 3.4 3.2 3.4 3.2 3.4 3.2 3.4 3.2 3.4 3.2 3.4 3.2 3.4 3.2 3.4 3.2 3.4 3.2 3.7 3.6 3.2 3.4 3.2 3.7 3.6 3.2 3.4 3.2 3.7 3.6 3.2 3.4 3.2 3.7 3.6 3.2 3.4 3.2 3.7 3.6 3.2 3.4 3.2 3.7 3.6 3.7 3.6 3.2 3.7 3.6 3.2 3.4 3.2 3.7 3.6 3.2 3.4 3.2 3.7 3.6 3.7 3.6 3.2 3.7 3.6 3.2 3.4 3.2 3.7 3.7 3.7 3.6 3.2 3.7 3.6 3.2 3.7 3.6 3.2 3.7 3.6 3.2 3.7 3.7 3.6 3.2 3.7 3.7 3.7 3.6 3.7 3.7 3.7 3.6 3.7 3.7 3.6 3.7 3.7 3.6 3.7 3.7 3.7 3.6 3.7 3.7 3.6 3.2 3.7 3.6 3.2 3.7 3.6 3.2 3.7 3.6 3.2	1. S26 2. 0. -0. -1. 1. 3. 2. 2. 2. 2. 3. 3. 3. 4. 4. 4. 3. 1. 0. 0. 1. 1. 0. 0. 1. 1. 0. 0. 1. 1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0
2017 2018 Percentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Aug	3.2 month on same month S26R 1.6 0.6 2.0 0.9 1.9 4.4 3.2 4.8 4.0 3.1 3.7 4.4 3.7 4.4 4.3 3.7 4.4 4.5 6 4.4 5.6 4.4 2.8 2.4 1.8 2.3	-0.5 a year ago 2.9 1.5 0.6 -5.5 1.8 1.5 -0.7 -0.8 -0.6 -4.9 0.2 0.8 0.6 -4.9 0.2 0.8 0.6 2.0 1.3 1.3 1.3 1.3 1.4 0.2 1.9	5.9 S26T 3.2 0.1 2.8 3.6 4.3 4.1 6.6 5.5 9.2 7.5 7.1 7.2 7.4 5.8 7.1 5.8 5.7 4.8 4.5 1.0 -0.1 1.9	2.5 S26U 1.0 1.9 1.6 1.4 0.8 0.5 3.7 2.9 3.6 3.2 3.0 2.5 3.4 3.2 4.3 4.2 6.9 5.0 2.5 3.7 3.6 2.5 3.4 3.2 3.5 3.4 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.6 3.2 3.6 3.2 3.6 3.2 3.6 3.2 3.6 3.2 3.6 3.2 3.6 3.2 3.6 3.2 3.6 3.2 3.6 3.2 3.6 3.2 3.4 3.2 3.6 3.2 3.4 3.2 3.5 3.4 3.2 3.5 3.4 3.2 3.5 3.6 3.2 3.4 3.2 3.5 3.4 3.2 3.5 3.4 3.2 3.5 3.6 3.2 3.4 3.2 3.5 3.4 3.2 3.5 3.4 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	1. 526 2. 2. 2. 2. 0. 0. -0. -1. 0. 1. 3. 2. 2. 2. 2. 2. 3. 3. 3. 4. 4. 4. 3. 1. 0. 0. 1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reflect values measured at basic prices, which exclude 'taxes less subsidies on products'.
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>.

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

	Industry components (SIC2007)						
		Wholesale					
		and retail trade	Wholesale	Retail trade,			
	Wholesale,	and repair of	trade, except of	except of			
	retail and	motor vehicles	motor vehicles	motor vehicles	Transportatior		
	motor trades	and motorcycles	and motorcycles	and motorcycles	and storage		
Component	G	45	46	47	ŀ		
2016 weights	131	21	44	66	52		
-							
ercentage change, lates	t month on previous mo						
	S223	S224	S225	S226	S22		
2017 Nov	0.3	-0.5	0.6	0.3	-0.5		
Dec	-0.5	-	-0.4	-0.6	0.1		
2018 Jan	0.5	1.8	0.7	0.1	0.3		
Feb	0.4	-1.4	1.2	0.5	-0.8		
Mar	-0.8	-0.9	0.1	-1.3	-0.5		
	1.1	0.7	0.1	1.4			
Apr					0.9		
May	1.9	1.4	1.7	2.2	1.2		
Jun	-0.1	-1.3	1.0	-0.6	0.9		
Jul	1.1	0.2	2.2	0.6	0.2		
Aug	-0.1	0.6	-1.4	0.5	0.0		
Sep	-0.7	-3.5	0.3	-0.5	0.1		
Oct	0.5	3.2	0.4	-0.1	0.7		
Nov	0.9	0.1	0.7	1.3	0.2		
Dec	-1.1	-0.2	-1.9	-0.9	0.1		
2019 Jan	1.5	2.1	1.8	1.1	-0.2		
Feb	0.1	-0.3	-	0.3			
Mar	0.4	-1.6	-0.1	1.2	0.1		
Apr	0.4	1.2	0.1	-0.4	0.1		
	-						
May	0.3	-0.4	1.4	-0.3	-0.8		
Jun	-0.5	-	-2.3	0.7	-0.3		
Jul	0.5	-1.0	1.1	0.5	1.5		
Aug	0.3	2.3	0.5	-0.4	-1.1		
Sep	-0.2	-3.1	0.7	· _	-0.6		
Oct	0.5	1.9	0.7	-0.1			
	-0.9		-1.9	-0.1	1.1		
Nov	-0.9	0.2	-1.9	-0.6	-0.8		
ercentage change, lates	t 3 months on same 3 m	onths a year ago					
J. J	S2G7	S2G8	S2G9	S2GA	S2GE		
2017 Nov	1.8	0.1	3.5	1.2	1.8		
Dec	1.2	-1.2	2.3	1.2	2.0		
2018 Jan	1.4	-0.4	2.0	1.5	1.7		
Feb	1.5	-0.3	2.2	1.6	0.		
Mar	1.7	-1.2	3.6	1.3	-0.5		
Apr	1.6	-1.1	4.0	0.9	-0.		
May	2.4	-0.8	5.0	1.7			
Jun	3.2	0.9	5.4	2.4	1.		
Jul	4.1	0.0	7.1	3.4	2.4		
		-0.7			2.4		
Aug	4.0		7.4	3.2			
Sep	4.0	-2.1	7.9	3.3	2.1		
Oct	3.6	-1.8	7.3	2.9	2.		
Nov	3.7	-1.3	7.2	3.0	3.		
Dec	3.9	0.5	6.8	3.0	3.3		
2019 Jan	4.3	0.5	6.8	3.7	3.4		
Feb	4.3	1.1	6.2	3.9	3.		
Mar	4.9	1.4	6.2	5.1	3.9		
Apr	4.8	1.7	5.4	5.4	4.		
May	4.3	1.0	5.0	4.8	3.3		
Jun	3.2	1.1	3.4	3.7	1.9		
Jul	2.3	0.5	1.8	3.3	1.3		
Aug	2.1	1.2	0.9	3.3	0.9		
Sep	2.2	1.5	1.3	3.1	0.0		
Oct	2.5	1.7 1.5	2.2	3.0			
Nov	2.1		1.6	2.6	-0.4		

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

			Industry components (SI	C2007)	
		Wholesale			
		and retail trade	Wholesale	Retail trade.	
	Wholesale,	and repair of	trade, except of	except of	
	retail and	motor vehicles	motor vehicles	motor vehicles	Transportation
	motor trades	and motorcycles	and motorcycles	and motorcycles	and storage
Component	G	45	46	47	Ĥ
2016 weights	131	21	44	66	52
Percentage change, lates	st 3 months on previous 3	3 months			
• • •	S2BH	S2BI	S2BJ	S2BK	S2BL
2017 Nov	0.5	-0.3	0.7	0.6	0.8
Dec	0.3	-1.7	1.0	0.5	0.4
2018 Jan	0.2	-1.0	0.9	0.1	
Feb	0.2	-0.3	0.9	-0.1	-0.2
Mar	0.3	0.4	1.4	-0.4	-0.
Apr	0.5	-0.6	1.8	-0.1	-0.6
May	1.0	-0.3	2.2	0.7	
Jun	1.9	0.1	2.8	2.0	1.4
Jul	2.7	0.8	3.7	2.6	2.3
Aug	2.2	0.2	3.4	2.0	2.1
Sep	1.4	-1.0	2.6	1.2	1.4
Oct	0.3	-1.0	0.7	0.4	1.0
Nov	0.2	-1.0	0.5	0.4	0.9
Dec	0.2	0.9	-0.1	0.3	1.0
2019 Jan	0.8	1.6	0.4	0.8	0.1
Feb	0.7	2.2	-0.1	0.8	0.3
Mar	1.3	1.3	0.8	1.6	
Apr	1.0	0.4	0.5	1.5	
May	1.0	-0.4	1.0	1.5	-0.2
Jun	0.3	-0.2	0.1	0.6	-0.
Jul	0.2	-0.4	0.1	0.5	-0.4
Aug	0.1	0.3	-0.6	0.6	-0.2
Sep	0.4	-0.6	0.5	0.6	0.
Oct	0.5	0.2	1.2	0.2	-0.2
Nov	0.1	-0.7	1.2	-0.3	-0.3

1 Indices reflect values measured at basic prices, which exclude "taxes less

Induces relief values interaction of basic prices, which exclude takes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

### IOSCOMP IOS: Index of Services Chained volume indice

Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

	Industry components (SIC2007)						
		Land transport			Warehousir		
		Land transport, excluding			and suppo activities fo		
	Rail transport	rail transport	Water transport	Air transport	transportatio		
component	49.1-2	49.3-5	50	51	5		
016 weights	3	<u>+0.0-0</u> 17	4	3	1		
ere noighte	S2L2	S2L3	S2L4	S2L5	S2L		
2014	97.8	93.8	129.9	91.2	104.		
2015	99.3	98.0	110.9	93.2	104.		
2016	100.0	100.0	100.0	100.0	100.		
2017	102.2	98.2	95.0	106.0	103.		
2018	103.4	97.0	94.1	114.8	107.		
2017 Nov	101.7	96.8	93.0	105.0	105.		
Dec	101.4	96.3	93.0	104.3	105.		
2018 Jan	101.4	97.5	93.3	104.3	100.		
					107.		
Feb	101.3	95.1	93.7	103.3			
Mar	101.9	94.6	93.9	104.0	105.		
Apr	102.8	95.2	93.9	111.8	106.		
May	103.6	95.3	94.1	114.9	107.		
Jun	104.1	95.4	94.4	117.6	109.		
Jul	104.4	96.5	94.7	118.7	109.		
Aug	104.4	97.6	94.9	121.2	108.		
Sep	104.3	98.4	94.6	121.7	107.		
Oct	104.3	98.0	94.2	121.5	109.		
Nov	104.3	99.4	93.8	119.2	109		
Dec	104.7	100.9	93.6	120.4	108		
2019 Jan	104.9	100.0	93.4	120.2	108		
Feb	104.6	100.4	93.2	120.5	108		
Mar	103.5	100.7	92.7	121.3	108		
Apr	102.1	101.9	92.1	114.3	108		
May	100.9	101.6	91.5	114.0	107		
Jun	100.3	101.2	91.0	114.8	108.		
Jul	100.3	102.2	90.6	114.8	109		
	100.4	100.7	90.5	116.6	109		
Aug							
Sep	100.5	99.4	90.6	116.7	108.		
Oct	100.8	100.7	91.0	117.3	109.		
Nov	101.1	99.2	91.2	118.0	109.		
ercentage change, la	atest year on previous yea						
	S228	S229	S22A	S22B	S22		
2014	4.7	6.1	-4.8	3.9	6.		
2015	1.5	4.5	-14.6	2.2	0.		
2016	0.7	2.0	-9.9	7.3	-4.		
2017							
	2.2	-1.8	-5.0	6.0			
2018	2.2 1.2		-5.0 -1.0	6.0 8.3	3		
2018	1.2	-1.8 -1.3			3.		
2018 ercentage change, la	1.2 atest month on same mon S26W	-1.8 -1.3 th a year ago S26X	-1.0 S26Y	8.3 S26Z	3 4 S27		
2018 ercentage change, la 2017 Nov	1.2 atest month on same mon S26W 1.1	-1.8 -1.3 th a year ago S26X -3.9	-1.0 S26Y -5.5	8.3 S26Z 5.9	3 4 S27 5		
2018 ercentage change, la	1.2 atest month on same mon S26W	-1.8 -1.3 th a year ago S26X	-1.0 S26Y	8.3 S26Z	3 4 S27 5		
2018 ercentage change, la 2017 Nov	1.2 atest month on same mon S26W 1.1	-1.8 -1.3 th a year ago S26X -3.9	-1.0 S26Y -5.5	8.3 S26Z 5.9	3 4 S27 5 5 5		
2018 ercentage change, la 2017 Nov Dec	1.2 atest month on same mon \$26W 1.1 -0.3	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1	-1.0 S26Y -5.5 -4.7	8.3 S26Z 5.9 4.4	3 4 S27 5 5 5		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5	-1.0 S26Y -5.5 -4.7 -3.6 -3.1	8.3 S26Z 5.9 4.4 1.3 0.1	3 4 5 5 5 5 4		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3	8.3 526Z 5.9 4.4 1.3 0.1 -0.4	3 4 527 5 5 5 5 4 2		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6	8.3 5.9 4.4 1.3 0.1 -0.4 3.4	3 4 S27 5 5 5 5 5 4 4 2 2		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9	8.3 5.9 4.4 1.3 0.1 -0.4 3.4 6.4	3 4 5 5 5 5 4 2 2 2 4		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5	8.3 526Z 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.7	3 4 55 5 5 4 2 2 2 4 7		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4	8.3 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.7 8.6	3 4 5 5 5 5 2 2 2 4 4 7 7		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 -0.2	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6	8.3 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.7 8.6 14.0	3 4 5 5 5 4 2 2 2 4 7 7 7 7 5		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 1.5	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 -0.2	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6 1.2	8.3 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.7 8.6 14.0 13.4	3 4 55 5 4 2 2 2 4 7 7 7 3 3		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun Jun Jul Aug Sep Oct	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 1.5 2.3	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 -0.2 0.2 0.4	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6 1.2 0.4	8.3 S26Z 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.7 8.6 14.0 13.4 14.7	3 4 5 5 5 4 2 2 2 4 7 7 7 5 3 3 3		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 1.5	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 -0.2	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6 1.2	8.3 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.7 8.6 14.0 13.4	3 4 5 5 5 4 2 2 2 4 7 7 7 3 3 3 3 4		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun Jun Jul Aug Sep Oct	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 1.5 2.3	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 -0.2 0.2 0.4	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6 1.2 0.4	8.3 S26Z 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.7 8.6 14.0 13.4 14.7	3 4 5 5 5 4 2 2 2 4 7 7 7 3 3 3 3 4		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 1.5 2.3 2.6 3.2	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 -0.2 0.2 0.4 2.6 (1.2) -0.4 -1.0 -0.2 0.4 2.6 (1.2) -0.4 2.6 (1.2) -0.4 2.6 (1.3) -0.4 -0.4 -0.4 -0.4 -0.4 -0.4 -0.4 -0.4	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6 1.2 0.4 0.9 0.6	8.3 S26Z 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.7 8.6 14.0 13.4 14.7 13.6 15.5	3 4 5 5 5 4 2 2 2 4 7 7 7 5 3 3 3 4 1		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun Jul Sep Oct Nov Dec 2019 Jan	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 1.5 2.3 2.3 2.6 3.2 3.7	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 -0.2 0.4 -1.0 -0.2 0.4 2.6 4.8 2.5	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6 1.2 0.4 0.9 0.6 0.1	8.3 S26Z 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.6 14.0 13.4 14.7 13.6 15.5 16.2	3 4 5 5 5 5 5 5 2 2 2 4 7 7 7 5 3 3 3 4 1		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 1.5 2.3 2.6 3.2 3.7 3.3	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 0.2 0.2 0.4 -1.0 -0.2 0.2 0.4 -1.0 -0.2 0.2 0.4 -1.5 -5.5 -6.3 -3.9 -2.9 -2.9 -2.9 -2.9 -2.9 -2.9 -2.9 -2	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6 1.2 0.4 0.9 0.6 0.1 -0.6	8.3 S26Z 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.7 8.6 14.0 13.4 14.7 13.6 15.5 16.2 16.6	3 4 5 5 5 4 2 2 2 4 7 7 5 3 3 3 3 4 1 1		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 1.5 2.3 2.6 3.2 3.7 3.3 1.6	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 -0.2 0.4 -1.0 -0.2 0.4 4.8 2.5 5.6 6.4	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6 1.2 0.4 0.9 0.6 0.1 -0.6 -1.2	8.3 S26Z 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.7 8.6 14.0 13.4 14.7 13.6 15.5 16.2 16.6 16.6 16.6	3 4 55 5 4 2 2 2 2 4 7 7 5 3 3 3 3 4 1 1 1 2		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 1.5 2.3 2.6 3.2 3.7 3.3 1.6 -0.7	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 -0.2 0.4 -1.0 -0.2 0.4 2.6 4.8 2.5 5.6 6.4 4.8 2.5 5.6 6.4 7.0	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6 1.2 0.4 0.9 0.6 0.1 -0.6 -1.2 -1.9	8.3 S26Z 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.6 14.0 13.4 14.7 13.6 15.5 16.2 16.6 16.6 2.2	3 4 5 5 5 5 5 4 2 2 4 7 7 7 5 3 3 3 4 1 1 1 1		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 1.5 2.3 2.6 3.2 3.7 3.3 1.6 -0.7 -2.6	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 0.2 0.4 -1.0 0.2 0.2 0.4 -1.0 2.6 4.8 2.5 5.6 6.4 7.0 6.6	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -1.9 -1.5 -0.4 0.6 1.2 0.4 0.9 0.6 0.1 -0.6 -1.2 -1.9 -1.2 -1.9 -1.2 -1.9 -1.2 -1.9 -1.2 -1.2 -1.9 -1.2	$\begin{array}{c} 8.3\\ S26Z\\ 5.9\\ 4.4\\ 1.3\\ 0.1\\ -0.4\\ 3.4\\ 6.4\\ 8.7\\ 8.6\\ 14.0\\ 13.4\\ 14.7\\ 13.6\\ 15.5\\ 16.2\\ 16.6\\ 16.6\\ 16.6\\ 16.6\\ 2.2\\ -0.8\end{array}$	3 4 5 5 5 5 4 2 2 2 4 7 7 5 3 3 3 3 3 4 4 1 1 1 2 2 1 1 0		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jun Jul Jul Jun Jul Jun Jul Jun Jun Jun Jun Jun Jun Jun Jun Jun Jun	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 1.5 2.3 2.6 3.2 3.7 3.3 1.6 -0.7 -2.6 -3.6	-1.8 -1.3 <b>th a year ago</b> -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 -0.2 0.4 -1.0 -0.2 0.4 -2.5 5.6 6.4 2.5 5.6 6.4 7.0 6.6	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6 0.1 -0.4 0.9 0.6 0.1 -0.4 0.9 0.6 0.1 -1.2 -1.9 -2.7 -3.6	8.3 S26Z 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.6 14.0 13.4 14.7 13.6 15.5 16.2 16.6 16.6 16.6 2.2 -0.8 -2.4	3 4 5 5 5 4 2 2 2 2 2 3 3 3 3 4 1 1 1 1 2 1 0 0 -1		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Jul	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 3.2 3.7 3.3 1.6 -0.7 -2.6 -3.6 -3.9	-1.8 -1.3 <b>th a year ago</b> S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 -0.2 0.4 -1.0 -0.2 0.4 2.6 6.4 8 2.5 5.6 6.4 7.0 6.6 6.1 5.8	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6 1.2 0.4 0.9 0.6 0.1 -0.6 -1.2 -1.9 -2.7 -3.6 -4.4	8.3 S26Z 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.6 14.0 13.4 14.7 13.6 15.5 16.2 16.6 16.6 16.6 2.2 -0.8 -2.4 -3.3	3 4 5 5 5 5 5 5 5 5 5 5 7 7 7 7 7 7 5 3 3 3 4 4 1 1 1 2 1 1 0 0 -1. 0		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jun Jul Jul Jun Jul Jun Jul Jun Jun Jun Jun Jun Jun Jun Jun Jun Jun	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 1.5 2.3 2.6 3.2 3.7 3.3 1.6 -0.7 -2.6 -3.6	-1.8 -1.3 <b>th a year ago</b> -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 -0.2 0.4 -1.0 -0.2 0.4 -2.5 5.6 6.4 2.5 5.6 6.4 7.0 6.6	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6 0.1 -0.4 0.9 0.6 0.1 -0.4 0.9 0.6 0.1 -1.2 -1.9 -2.7 -3.6	8.3 S26Z 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.6 14.0 13.4 14.7 13.6 15.5 16.2 16.6 16.6 16.6 2.2 -0.8 -2.4	3 4 5 5 5 5 5 5 5 5 5 5 7 7 7 7 7 7 5 3 3 3 4 4 1 1 1 2 1 1 0 0 -1. 0		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Jul	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 3.2 3.7 3.3 1.6 -0.7 -2.6 -3.6 -3.9	-1.8 -1.3 <b>th a year ago</b> S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 -0.2 0.4 -1.0 -0.2 0.4 2.6 6.4 8 2.5 5.6 6.4 7.0 6.6 6.1 5.8	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6 1.2 0.4 0.9 0.6 0.1 -0.6 -1.2 -1.9 -2.7 -3.6 -4.4	8.3 S26Z 5.9 4.4 1.3 0.1 -0.4 3.4 6.4 8.6 14.0 13.4 14.7 13.6 15.5 16.2 16.6 16.6 16.6 2.2 -0.8 -2.4 -3.3	3 4 5 5 5 5 4 2 2 2 4 7 7 5 3 3 3 3 3 4 4 1 1 1 2 2 1 1 0		
2018 ercentage change, la 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Aug	1.2 atest month on same mon S26W 1.1 -0.3 -2.0 -2.4 -1.3 0.9 2.5 2.8 2.4 1.6 1.5 2.3 2.6 3.2 3.7 3.3 1.6 -0.7 -2.6 -3.6 -3.9 -3.8	-1.8 -1.3 th a year ago S26X -3.9 -4.5 -3.1 -5.5 -6.3 -3.9 -2.9 0.4 -1.0 0.2 0.4 -1.0 0.2 0.2 0.4 -1.0 2.6 4.8 2.5 5.6 6.4 7.0 6.6 6.1 5.8 3.1	-1.0 S26Y -5.5 -4.7 -3.6 -3.1 -3.3 -1.6 -1.9 -1.5 -0.4 0.6 1.2 0.4 0.6 0.1 -0.6 0.1 -0.6 -1.2 -1.9 -2.7 -3.6 -4.4 -4.6	$\begin{array}{c} 8.3\\ S26Z\\ 5.9\\ 4.4\\ 1.3\\ 0.1\\ -0.4\\ 3.4\\ 6.4\\ 8.7\\ 8.6\\ 14.0\\ 13.4\\ 14.7\\ 13.6\\ 15.5\\ 16.2\\ 16.6\\ 16.6\\ 16.6\\ 16.6\\ 2.2\\ -0.8\\ -2.4\\ -3.3\\ -3.8\end{array}$	3 4 5 5 5 5 5 5 5 5 5 5 5 4 4 2 2 2 4 4 7 7 5 3 3 3 3 3 3 4 4 1 1 1 2 1 0 0 0		

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>.

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

		In	dustry components (SIC	2007)	
					Warehousing
		Land transport, excluding			and support activities for
	Rail transport	rail transport	Water transport	Air transport	transportation
Component	49.1-2	49.3-5	50	51	52
2016 weights	3	17	4	3	17
avaantava ahanna lataat	month on musicus month				
ercentage change, latest	month on previous month S228	S229	S22A	S22B	S22C
2017 Nov	-0.3	-0.9	-0.8	-0.9	-0.2
Dec	-0.3	-0.6	-	-0.7	1.5
2018 Jan	-0.3	1.3	0.3	-0.8	0.4
Feb	0.0	-2.5	0.4	-0.1	0.4
Mar	0.6	-0.6	0.4	0.7	-1.2
Apr	0.9	0.6	0.1	7.5	0.5
May	0.8	0.2	0.2	2.7	1.3
Jun	0.5	-	0.3	2.4	2.0
Jul	0.2	1.2	0.4	0.9	-0.7
Aug	-	1.1	0.1	2.1	-0.8
Sep	-0.1	0.8	-0.2	0.4	-0.5
Oct	-	-0.4	-0.4	-0.2	1.4
Nov	0.1	-0.4	-0.4	-0.2	0.2
Dec	0.1	1.4	-0.4	1.0	-1.0
2019 Jan	0.2	-0.9	-0.2	-0.2	0.3
Feb	-0.3	0.5	-0.3	0.3	-
Mar	-1.0	0.2	-0.5	0.7	-0.4
Apr	-1.4	1.2	-0.6	-5.8	0.3
May	-1.2	-0.2	-0.7	-0.3	-0.5
Jun	-0.5	-0.4	-0.6	0.7	0.4
Jul	-	0.9	-0.4	-	1.5
Aug	0.1	-1.5	-0.1	1.6	-0.7
					-0.7
Sep	0.1	-1.2	0.2	0.1	
Oct	0.3	1.2	0.4	0.5	0.7
Nov	0.3	-1.5	0.3	0.6	0.2
Percentage change, latest	3 months on same 3 mon	ths a vear ago			
······	S2GC	S2GD	S2GE	S2GF	S2GG
2017 Nov	2.2	-3.6	-5.7	5.0	5.7
Dec	1.1	-4.2	-5.2	4.9	5.9
2018 Jan	-0.4	-3.9	-4.6	3.9	5.4
Feb	-1.6	-4.4	-3.8	1.9	5.0
Mar	-1.9	-5.0	-3.3	0.3	4.1
Apr	-0.9	-5.2	-2.7	1.0	3.3
May	0.7	-4.4	-2.3	3.2	3.2
Jun	2.1	-2.1	-1.7	6.2	4.6
Jul	2.6	-1.2	-1.3	7.9	6.3
Aug	2.3	-0.3	-0.5	10.4	6.9
Sep	1.8	-0.3	0.4	12.0	5.8
		-0.3			
Oct	1.8		0.7	14.0	4.4
Nov	2.1	1.1	0.8	13.9	3.8
Dec	2.7	2.6	0.6	14.6	3.0
2019 Jan	3.2	3.3	0.5	15.1	2.3
Feb	3.4	4.3	-	16.1	1.4
Mar	2.8	4.8	-0.6	16.5	1.7
	1.4	6.4	-1.2	11.6	1.8
ADI	-0.6	6.7	-2.0	5.7	1.4
Apr May	-0.8 -2.3	6.6	-2.0		0.2
May		0.0		-0.4	-0.2
May Jun					
May Jun Jul	-3.4	6.2	-3.6	-2.2	
May Jun Jul Aug	-3.4 -3.8	6.2 5.0	-4.2	-3.2	0.1
May Jun Jul Aug Sep	-3.4	6.2 5.0 3.3	-4.2 -4.4	-3.2 -3.7	0.1
May Jun Jul Aug	-3.4 -3.8	6.2 5.0	-4.2	-3.2	-0.2 0.1 0.9 0.8

1 Indices reflect values measured at basic prices, which exclude "taxes less

a Hildes relief values measure at basic prices, when exclude take receives subsidies on products".
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 A complete run of data is available on the ONS website as a Time region datest.

Sources: For further information on these data please telephone 01633 456387; fax 01633 455300 or e-mail ios.enquiries@ons.gov.uk

Time series dataset

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

		I	ndustry components (SIC	2007)	
					Warehousing
		Land transport,			and suppor
		excluding			activities fo
	Rail transport	rail transport	Water transport	Air transport	transportation
Component	49.1-2	49.3-5	50	51	5
2016 weights	3	17	4	3	1
Percentage change, late	st 3 months on previous 3 r	months			
0 0 /	S2BM	S2BN	S2BO	S2BP	S2BC
2017 Nov	0.1	0.8	-1.7	-1.7	2.
Dec	-0.7	-1.0	-1.1	-2.4	3.3
2018 Jan	-1.0	-1.0	-0.8	-2.2	2.
Feb	-0.8	-1.3	-0.1	-2.3	2.
Mar	-0.3	-1.2	0.4	-1.4	0.
Apr	0.5	-2.0	0.8	2.1	0.
May	1.5	-1.3	0.7	6.4	-0.4
Jun	2.0	-0.5	0.6	10.8	1.
Jul	2.0	0.8	0.6	10.0	2.3
Aug	1.5	1.5	0.7	8.1	2.3
Sep	0.8	2.3	0.6	5.0	0.
Oct	0.3	2.4	0.2	3.8	-0.
Nov	-	2.2	-0.5	1.4	-0.3
Dec	0.1	1.9	-0.9	-0.1	0.
2019 Jan	0.3	2.1	-1.0	-1.2	0
Feb	0.4	1.8	-0.9	-0.4	-0.
Mar	-0.1	0.9	-0.8	0.2	-0.
Apr	-1.2	0.9	-1.0	-1.0	-0.
May	-2.5	1.0	-1.4	-3.2	-0.
Jun	-3.1	1.2	-1.7	-5.2	-0.
Jul	-2.8	0.7	-1.8	-3.5	0.
Aug	-1.8	-0.1	-1.6	-1.0	0.
Sep	-0.7	-0.8	-1.1	1.4	1.
Oct	0.1	-1.4	-0.4	2.1	0.
Nov	0.5	-1.6	0.3	1.7	0.

1 Indices reflect values measured at basic prices, which exclude "taxes less

a indices reliect values integrated at basic pinces, which exclude taxes less subsidies on products".
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 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

Component	Postal and courier	Accommodation	Industry components (SIC	Food and	
		Accommodation			
		and food		beverage service	Information and
	activities	services	Accommodation	activities	communication
	53		55	56	
2016 weights	8	35	11	25	83
0011	S2L7	S2L8	S2L9	S2LA	S2LE
2014 2015	99.8 101.8	94.4 98.5	87.2 96.6	97.6 99.4	89.8 94.8
2015	101.8	98.5 100.0	100.0	100.0	94.0
2018	108.0	102.4	100.0	103.0	100.0
2018	109.4	104.9	106.1	103.0	110.1
2017 Nov	109.8	102.2	101.1	102.7	106.5
Dec	109.8	102.2	101.7	102.7	108.
2018 Jan	107.5	102.0	102.9	103.8	100.
Feb	107.5	103.0	101.2	102.5	107.3
Mar	107.1	102.1	104.7	102.3	108.2
Apr	106.6	103.0	104.6	102.5	108.6
May	109.9	104.0	104.0	104.1	108.
Jun	110.0	105.3	107.6	104.3	100.0
Jul	109.4	105.9	109.6	104.3	109.1
Aug	109.7	103.5	105.7	104.3	111.8
Sep	110.0	104.7	105.4	104.3	113.
Oct	113.0	106.3	105.4	104.9	113.
Nov	111.8	108.3	107.5	105.8	
	111.0	107.2			112.9
Dec	111.2	106.8	109.8	105.5	113.8
2019 Jan			110.2	106.5	115.4
Feb	110.5	107.9	110.4	106.8	115.4
Mar	111.8	107.2	110.3	105.8	115.
Apr	113.0	106.4	108.7	105.4	116.
May	110.0	106.1	106.4	106.0	116.3
Jun	108.0	108.5	111.8	107.1	117.2
Jul	113.3	107.3	108.7	106.7	118.0
Aug	109.4	106.0	109.0	104.7	116.8
Sep	109.1	105.2	108.2	103.9	118.3
Oct	112.0	104.5	106.3	103.7	118.4
Nov	108.9	105.5	107.6	104.5	116.7
Percentage change, latest yea	<b>ar on previous yea</b> S22D	r S22E	S22F	S22G	S22F
2014	-2.1	1.2	0.9	1.3	5221
2014	2.1	4.4	10.8	1.3	5.6
2015	-1.8	1.5	3.5	0.6	5.4
2018	-1.8	2.4	0.9	3.0	4.6
2018	1.3	2.4	5.2	1.3	5.1
Percentage change, latest mo	onth on same mon	th a year ago			
	S273	S274	S275	S276	S27
2017 Nov	10.9	1.2	-0.3	1.9	4.3
Dec	15.6	1.9	0.6	2.4	5.
2018 Jan	2.5	2.1	1.8	2.2	6.1
Feb	-0.1	-0.9	0.8	-1.7	4.
Mar	0.6	0.9	4.5	-0.6	5.
Apr	2.6	0.5	2.2	-0.2	4.5
May	2.3	1.8	5.0	0.5	4.
Jun	1.1	3.6	8.0	1.8	2
Jul	-0.2	1.8	6.7	-0.3	4.
Aug	-0.6	2.4	5.3	1.2	5.
Sep	1.2	3.9	5.3	3.3	6.
Oct	2.6	4.5	7.1	3.5	5.
Nov	1.8	4.9	7.5	3.9	5.
Dec	2.2	4.0	8.0	2.4	5.
2019 Jan	3.5	3.9	7.1	2.6	7.
Feb	3.2	5.7	9.1	4.2	8.
	4.4	4.0	5.4	3.4	6.
Mar	6.1	2.4	3.9	1.7	7.
			0.3	1.8	6.
Apr		1.4			
Apr May	0.1	1.4 3.1	3.9	2.7	
Apr May Jun	0.1 -1.8	3.1	3.9 -0.8	2.7 2.3	7.
Apr May Jun Jul	0.1 -1.8 3.5	3.1 1.3	-0.8	2.3	7. 8.
Apr May Jun Jul Aug	0.1 -1.8 3.5 -0.3	3.1 1.3 1.3	-0.8 3.1	2.3 0.5	7.0 8. 4.4
Apr May Jun Jul	0.1 -1.8 3.5	3.1 1.3	-0.8	2.3	7.0 8.1

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>.

### IOSCOMP IOS: Index of Services Chained volume indice

Chained volume indices of gross value added <sup>1,2,3</sup>

seasonally adjusted 2016 = 100

			Industry components (SI	C2007)	
				Food and	
	Postal	Accommodation		beverage	
	and courier	and food		service	Information and
	activities	services	Accommodation	activities	communication
Component	53	30111003	55	56	communication
2016 weights	8	35	11	25	8
2010 weights	0			23	0
ercentage change, latest	month on previous m	onth			
0 0 /	S22D	S22E	S22F	S22G	S22H
2017 Nov	-0.3	0.5	0.7	0.4	-0.
Dec	-1.1	0.4	0.6	0.3	1.
2018 Jan	-1.1	0.9	1.2	0.8	-0.
Feb	-0.4	-1.4	-1.7	-1.3	-1.0
Mar	-0.4	0.9	3.5	-0.2	1.1
	- 0 F		5.5		
Apr	-0.5	0.9		1.3	0.4
May	3.1	0.7	1.4	0.4	0.3
Jun	0.1	0.6	1.4	0.2	0.
Jul	-0.5	0.6	1.9	-	0.1
Aug	0.3	-1.2	-3.6	-	2.
Sep	0.2	0.4	-0.2	0.7	1.5
Oct	2.8	1.1	1.9	0.8	-1.1
Nov	-1.1	0.9	1.0	0.8	0.1
Dec	-0.8	-0.4	1.1	-1.1	0.9
2019 Jan	-0.8	-0.4	0.4	-1.1	0.3
Feb	-0.6	0.2	0.1	0.3	
Mar	1.2	-0.7	-	-1.0	-0.1
Apr	1.1	-0.7	-1.5	-0.3	1.1
May	-2.7	-0.3	-2.1	0.5	-0.2
Jun	-1.8	2.3	5.1	1.1	0.8
Jul	4.9	-1.1	-2.8	-0.4	0.0
Aug	-3.4	-1.2	0.3	-1.9	-1.0
Sep	-0.3	-0.8	-0.7	-0.8	1.3
	2.7	-0.7			1.0
Oct Nov	-2.8	-0.7	-1.8 1.2	-0.2 0.8	-1.4
NOV	-2.0	0.9	1.2	0.0	-1.4
ercentage change, latest	3 months on same 3	months a vear ago			
······································	S2GH	S2GI	S2GJ	S2GK	S2GI
2017 Nov	8.0	0.9	0200	1.2	4.0
Dec	11.0	1.5	0.1	2.1	4.5
2018 Jan	9.4	1.7	0.7	2.2	5.2
Feb	5.6	1.0	1.1	0.9	5.0
Mar	1.0	0.7	2.4		5.
Apr	1.0	0.2	2.5	-0.8	5.0
May	1.8	1.1	3.9	-0.1	5.0
Jun	2.0	2.0	5.1	0.7	3.9
Jul	1.1	2.4	6.6	0.6	3.
Aug	0.1	2.6	6.7	0.9	4.3
Sep	0.1	2.7	5.8	1.4	5.
Oct	1.1	3.6	5.9	2.7	5.1
Nov	1.1	3.6	5.9 6.6	3.5	5.6
Dec	2.2	4.5	7.5	3.2	5.
2019 Jan	2.5	4.3	7.5	2.9	6.
Feb	2.9	4.5	8.0	3.0	7.
Mar	3.7	4.5	7.2	3.4	7.
Apr	4.6	4.0	6.1	3.1	7.
May	3.5	2.6	3.2	2.3	6.9
Jun	1.4	2.3	2.7	2.1	7.3
	0.6	2.3	1.1	2.1	7.
Jul					
Aug	0.5	1.9	2.0	1.8	6.
Sep	0.8	0.9	1.6	0.6	5.
Oct	-0.7	-0.1	1.5	-0.8	4.8
Nov	-1.5	-1.1	0.2	-1.7	4.5

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>.

IOS: Index of Services Chained volume indices of gross value added <sup>1,2,3</sup>

seasonally adjusted 2016 = 100

			Industry components (SIC2	2007)	
				Food and	
	Postal	Accommodation		beverage	
	and courier	and food		service	Information an
	activities	services	Accommodation	activities	communicatio
Component	53	1	55	56	
2016 weights	8	35	11	25	8
Percentage change, latest	t 3 months on previous 3	months			
0 07	S2BR	S2BS	S2BT	S2BU	S2B
2017 Nov	-	-0.9	-0.4	-1.1	0.
Dec	-	-0.3	-0.1	-0.4	1.
2018 Jan	-1.0	1.1	1.6	0.9	1.
Feb	-1.7	1.1	1.4	0.9	0.
Mar	-2.1	0.7	1.9	0.2	0.
Apr	-1.6	0.2	1.6	-0.4	0
May	0.1	1.1	3.2	0.2	1.
Jun	1.5	1.7	3.1	1.1	1.
Jul	2.7	2.2	4.2	1.4	1
Aug	1.7	1.4	2.4	0.9	1
Sep	0.8	0.5	0.7	0.5	2
Oct	1.1	-	-1.5	0.7	3
Nov	1.7	0.9	-0.5	1.5	2
Dec	2.0	1.5	1.6	1.4	1
2019 Jan	0.4	1.8	3.1	1.2	1
Feb	-0.7	1.2	2.8	0.4	1
Mar	-0.7	0.7	1.6	0.4	2
Apr	0.4	-0.1	0.2	-0.2	1
May	0.7	-0.8	-1.5	-0.5	1
Jun	-0.7	-0.5	-1.2	-0.2	1
Jul	-1.2	0.2	-0.7	0.6	1
Aug	-1.2	0.7	1.3	0.4	1
Sep	0.2	-0.8	-0.3	-1.0	0
Oct	-0.2	-2.0	-1.1	-2.4	0
Nov	-0.2	-2.1	-2.3	-2.0	0.

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added <sup>1,2,3</sup>

seasonally adjusted 2016 = 100

ntinued		-	Industry components (SIC20	07)	
		Motion pictures,			Computer
		tv production,	Programming		programming
	Publishing activities	sound and music activities	and broadcasting activites	Telecom -munications	consultancy and related activities
Component	58	59	60	61	6
2016 weights	8	8	6	23	3
0014	S2LC	S2LD	KFV8	S2LE	S2LI
2014	104.6	70.9	87.5	100.6	84.8
2015 2016	98.4 100.0	91.3 100.0	89.0 100.0	104.4 100.0	89.3 100.0
2016	96.4	112.9	99.3	100.0	108.
2017 2018	96.4 94.8	120.6	99.3 99.6	101.3	108.
2017 Nov	95.6	116.8	95.8	99.9	112.0
Dec	95.4	121.8	101.6	101.2	112.
2018 Jan	93.6	117.0	102.0	100.9	113.
Feb	95.0	114.6	98.4	100.9	111.
Mar	96.8	119.4	101.3	100.6	113.
Apr	95.5	119.7	98.4	101.1	114.9
May	95.2	119.1	99.2	101.5	115.
Jun	93.2	116.0	99.0	101.5	118.
Jul	92.5	117.8	99.2	100.1	116.
	92.5 96.1	120.7	99.2	101.2	120.
Aug Sep	96.1	131.6	100.5	102.2	120.1
			99.9		122.
Oct	92.4	124.0		100.5	
Nov	95.6	124.4	97.3	101.5	122.
Dec	97.4	123.1	100.6	101.7	124.
2019 Jan	100.1	129.9	101.3	100.4	125.
Feb	99.0	133.6	96.4	99.5	125.
Mar	97.1	131.9	100.0	102.1	123.
Apr	97.6	138.6	102.3	99.2	127.4
May	100.3	138.0	100.1	97.6	126.
Jun	100.5	141.4	101.5	98.4	127.
Jul	99.5	144.9	102.0	98.8	127.
Aug	99.0	141.9	100.0	98.8	126.3
Sep	95.7	149.8	103.6	99.7	127.3
Oct	93.3	151.1	105.8	100.0	127.
Nov	92.7	144.1	105.0	98.3	126.
Percentage change, lates		0001		0001/	0.00
2014	S22I -9.6	S22J -3.5	KFV7 -0.4	S22K -5.9	S22
2014	-9.8	-3.5 28.7	-0.4	-5.9	5.1
2016	1.7	9.6	12.4	-4.3	12.
2017 2018	-3.6 -1.7	12.9 6.8	-0.7 0.3	0.3 0.9	8. 8.
orcontago chango latos	t month on come month	0. VOOT 000			
Percentage change, lates	S278	S279	KFJ4	S27A	S271
2017 Nov	-6.8	14.2	-7.3	-	9.
Dec	-8.1	10.5	1.5	0.9	9.
2018 Jan	-5.3	13.7	5.1	-1.2	12.
Feb	-1.2	9.8	-0.3	0.4	7.
Mar	1.6	5.3	5.5	2.4	8.
Apr	0.7	9.0	-1.0	-0.9	7.
May	1.3	3.5	-2.5	2.0	7.
Jun	-6.1	-2.9	-0.1	-0.6	7.
Jul	-5.4	11.5	4.7	-0.5	5.
Aug	0.1	5.3	-3.7	2.7	9.
Sep	-2.5	12.0	-0.4	3.7	9.
Oct	-5.2	9.1	-3.3	1.5	8.
Nov	-	6.5	1.6	1.6	9.
Dec	2.1	1.1	-0.9	0.5	10.
2019 Jan	7.0	11.0	-0.7	-0.5	10.
	4.2	16.6	-2.0	-1.3	13.
Feb			-1.3	1.5	8.
Feb Mar	0.4	10.5			
Mar	0.4 2.2	10.5 15.7		-19	10
Mar Apr	2.2	15.7	4.0	-1.9 -3.8	
Mar Apr May	2.2 5.3	15.7 15.8	4.0 0.9	-3.8	9.
Mar Apr May Jun	2.2 5.3 7.9	15.7 15.8 22.0	4.0 0.9 2.5	-3.8 -1.7	9. 8.
Mar Apr May Jun Jul	2.2 5.3 7.9 7.6	15.7 15.8 22.0 23.0	4.0 0.9 2.5 2.8	-3.8 -1.7 -2.4	9. 8. 9.
Mar Apr May Jun Jul Aug	2.2 5.3 7.9 7.6 3.0	15.7 15.8 22.0 23.0 17.5	4.0 0.9 2.5 2.8 1.2	-3.8 -1.7 -2.4 -3.3	9. 8. 9. 4.
Mar Apr Jun Jul Aug Sep	2.2 5.3 7.9 7.6 3.0 1.9	15.7 15.8 22.0 23.0 17.5 13.8	4.0 0.9 2.5 2.8 1.2 3.0	-3.8 -1.7 -2.4 -3.3 -3.2	10. 9. 8. 9. 4. 4.
Mar Apr May Jun Jul Aug	2.2 5.3 7.9 7.6 3.0	15.7 15.8 22.0 23.0 17.5	4.0 0.9 2.5 2.8 1.2	-3.8 -1.7 -2.4 -3.3	9.1 8.2 9.1 4.1

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

Publishing         sound and music activities         Programming and broadcasting activities         Telecom munications         consultance related activities           2016 weights         8         8         6         23           Percentage change, latest month on previous month         S221         S221         KFV7         S22K           2017 Nov         1.18         2.7         7.7.3         0.9         0.0           Dec         0.2         4.3         6.1         1.4           2016 and         1.19         3.9         0.4         -0.3           Apr         1.3         0.2         2.8         0.4           Mar         1.8         4.2         2.9         0.2           Apr         -1.3         0.3         2.8         0.4           Jun         2.7         7.63         0.6         2.4           Aug         0.3         2.8         0.6         2.4           Aug         0.3         2.8         0.6         0.4           Jun         2.7         5.8         0.6         2.4           Aug         3.7         2.6         0.9         0.6           Dec         1.9         1.10         3.4         0.3				Industry components (SIC200	7)	
Publishing         Sound and music activities         Programming and broadcasting activities         Telecom munications         program related activities           2016 weights         8         8         6         21           Percentage change, latest month on previous month         S221         S221         KFV7         S22K           2017 Nov         1.18         2.7         7.73         0.9         0.9           Dec         0.02         4.33         6.1         1.4           2018 Jan         1.19         3.9         0.4         -0.3           Apr         1.13         4.2         2.29         -0.2           Apr         1.3         0.3         2.28         0.4           May         0.41         0.5         0.2         1.4           Jun         2.21         2.5         0.4         1.0           Aug         3.7         2.6         0.2         1.4           Jun         2.7         5.8         0.6         2.4           Aug         0.37         2.6         0.9         0.6           Dec         1.9         -1.0         3.4         0.3           Dec         1.9         5.0         2.7         1						
Publishing         sound and music activities         Programming activities         Telecon munications         consultance related activities           Component         8         8         6         21           2016 weights         8         8         6         23           Percentage change, latest month on previous month         S221         S221         KFV7         S22K           2017 Nov         1.18         2.7         7.7.3         0.9         -           pace         0.2         4.3.3         6.1         1.4           2018 Jan         1.19         3.9         0.4         -0.3           Apr         1.3         0.2         8.0         0.4         -           May         -0.4         0.25         0.2         -1.4         -           May         -0.4         0.25         0.2         -1.4         -           May         -0.3         2.5         0.4         1.0         -           Sepp         2.22         9.0         1.7         0.8         -           Oct         -1.7         5.8         0.6         -2.4         -           Nov         3.6         0.3         2.6         0.9         -			Motion pictures			Computer
Publishing activities         sound and music activities         and broadcasting activities         Telecom munications         restate and related and munications           Component         6         3         6         3           Percentage change, latest month on previous month         S221         S21         S33         S39         O.4         -0.3         S41         S41 <th< th=""><th></th><th></th><th></th><th>Dreammine</th><th></th><th></th></th<>				Dreammine		
activities         -munications         related act           2016 weights         8         8         6         21           2016 weights         8         8         6         22           2017 Nov         1.8         2.7         7.73         0.9           Dec         0.2         4.3         6.1         1.4           2017 Nov         1.8         2.7         7.73         0.9           Dec         0.2         4.3         6.1         1.4           2018 Jan         1.1         4.2         2.2         0.2         0.4           Mar         1.1         4.2         2.2         0.2         1.4           Mar         1.3         4.2         2.2         0.2         1.4           Mar         1.3         4.2         2.2         0.2         1.2           App         -1.3         4.2         2.2         0.2         1.2           Aug         0.7         1.6         0.2         1.2         4.3           Jul         0.7         1.6         0.2         1.2         4.3           Mar         1.1         2.8         5.0         0.7		B			<b>T</b> 1	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$						consultancy and
2016 weights         8         6         23           Percentage change, latest month on previous month						
Percentage change, latest month on previous month $\begin{array}{c ccccccccccccccccccccccccccccccccccc$						62
B221         S221         KFV7         S22k           2017         Nov         -1.8         2.7         7.3         0.9           Dec         -0.2         4.3         6.1         1.4           2018         1.19         -3.9         0.4         -0.3           Feb         1.5         -2.1         -3.5         -           Apr         -1.3         0.3         -2.8         0.4           Jun         -2.1         -2.6         -0.2         1.4           Jul         -0.7         1.6         0.2         1.2           Aug         3.9         2.5         -0.4         1.0           Sep         -2.2         9.0         1.7         0.8           Oct         -1.7         5.8         -0.6         -2.4           Nov         3.6         0.3         -2.6         0.9           Dec         1.9         -1.3         3.7         2.6           Nov         3.6         5.0         2.4         -2.9           Mar         -1.9         -1.3         3.7         2.6           Nov         0.5         5.0         0.5         0.5           Juin	2016 Weights	8	8	6	23	32
B221         S221         KFV7         S22k           2017         Nov         -1.8         2.7         7.3         0.9           Dec         -0.2         4.3         6.1         1.4           2018         1.19         -3.9         0.4         -0.3           Feb         1.5         -2.1         -3.5         -           Apr         -1.3         0.3         -2.8         0.4           Jun         -2.1         -2.6         -0.2         1.4           Jul         -0.7         1.6         0.2         1.2           Aug         3.9         2.5         -0.4         1.0           Sep         -2.2         9.0         1.7         0.8           Oct         -1.7         5.8         -0.6         -2.4           Nov         3.6         0.3         -2.6         0.9           Dec         1.9         -1.3         3.7         2.6           Nov         3.6         5.0         2.4         -2.9           Mar         -1.9         -1.3         3.7         2.6           Nov         0.5         5.0         0.5         0.5           Juin	Percentage change latest	month on previous mor	nth			
2017 Nov         1-18         2.7         -7.3         0.9           Dec         -0.2         4.3         6.1         1.4           2018 Jan         -1.9         -3.9         0.4         -0.3           Mar         1.8         4.2         2.9         0.2           Apr         -1.3         0.3         -2.8         0.4           Muin         -2.1         -2.6         -0.2         1.4           Jul         -0.7         1.6         0.2         1.2           Aug         3.9         2.5         -0.4         1.0           Sep         -2.2         9.0         1.7         0.8           Oct         -1.7         5.8         -0.6         -2.4           Nov         3.6         0.3         -2.6         0.9           Dec         1.9         -1.0         3.4         0.3           2019 Jan         2.8         5.5         0.7         -1.3           Apr         0.5         5.5         0.5         0.5           Jul         -1.0         2.5         0.5         0.5           Jul         0.1         2.5         0.5         0.5           Ju	r ercentage change, latest			KEV7	S22K	S22L
Dec         0.2         4.3         6.1         1.4           2018 Jan         -1.9         -21         -3.5         -           Apr         1.18         4.2         2.9         0.2           Apr         -1.3         0.3         -2.8         0.4           Jun         -2.1         -2.6         0.2         -1.4           Jul         0.7         1.6         0.2         -1.4           Jul         0.7         1.6         0.2         -1.4           Jul         0.7         1.6         0.2         -1.4           Jul         0.7         5.8         -0.6         -2.4           Aug         3.9         2.1         0.8         -0.6         -2.4           Nov         3.6         0.3         -2.6         -2.4         0.9           Dec         1.9         -1.1         2.8         4.9         -0.9           Mar         -1.9         -1.3         3.7         2.6           May         2.7         0.4         -2.2         0.3           Jul         -1.0         2.5         0.5         0.5           Apr         0.5         -2.1         -1.9	2017 Nov					-0.2
2016 Jan       -1.9       -3.9       0.4       -0.3         Mar       1.8       4.2       2.9       -0.2         Apr       -1.3       0.3       -2.8       0.4         May       -0.4       -0.5       0.8       0.4         Jun       -2.21       -2.6       -0.2       -1.4         Jul       -0.7       1.6       0.2       1.2         Aug       3.9       2.5       -0.4       1.0         Sep       -2.2       9.0       1.7       0.8         Oct       -1.7       -5.8       -0.6       -2.4         Nov       3.6       0.3       -2.6       0.9         Dec       1.9       -1.0       -3.4       0.3         2019 Jan       2.8       5.5       0.7       -1.3         Apr       0.5       5.0       2.4       -1.6         Jul       -1.0       2.5       0.5       0.5         Jul       -1.0       2.5       0.5       0.5         Jul       -1.0       2.5       0.5       0.5         Jul       -1.6       2.2       0.3       0.6         Jul       -1.6 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>0.1</td></td<>						0.1
Feb         1.5         -2.1         3.5            Apr         1.18         4.2         2.9         -0.2           Apr         1.3         0.3        28         0.4           Jun         2.1         2.6         0.2         -1.4           Jun         0.7         1.6         0.2         -1.4           Aug         3.9         2.5         0.4         1.0           Sep         -2.2         9.0         0.4         1.0           Sep         -2.2         9.0         3.4         0.3           Dec         1.9         -1.0         3.4         0.3           Dec         1.8         5.5         0.7         -1.3           Feb         -1.1         2.8         4.9         -0.9           Mar         -1.9        1         3.7         2.6           Apr         0.5         5.0         2.4         -2.9           Mar         -1.1         2.5         0.5         0.5           Apr         0.5         5.6         3.5         0.9           Cot         -2.5         0.8         2.2         0.3           Aug         -0.						0.6
Mar         1.8         4.2         2.9         -0.2           Apr         -1.3         0.3         -2.8         0.4           May         -0.4         -0.5         0.8         0.4           Jun         -2.1         -2.6         -0.2         -1.4           Jun         -0.7         1.6         0.2         1.2           Aug         3.9         2.5         -0.4         1.0           Sep         -2.2         9.0         1.7         0.8           Oct         -1.7         -5.8         -0.6         -2.4           Dec         1.9         -1.0         3.4         0.3           Dec         1.9         -1.3         3.7         2.6           Mar         -1.9         -1.3         3.7         2.6           Mar         -1.9         -1.3         3.7         2.6           May         2.7         -0.4         -2.2         -1.6           Jun         0.3         2.5         0.5         0.5           Apr         0.5         -2.1         -1.9         -           Jul         -1.0         2.5         0.5         0.5           Oct		1.5		-3.5	-	-2.2
Apr         1.3         0.3         2.8         0.4           May         -0.4         -0.5         0.8         0.4           Jun         -2.1         2.6         0.2         -1.4           Jul         -0.7         1.6         0.2         1.2           Aug         3.9         2.5         -0.4         1.0           Sep         -2.2         9.0         1.7         0.8           Oct         -1.7         -5.8         -0.6         -2.4           Nov         3.6         0.3         -2.6         0.9           Dec         1.9         -1.0         3.4         0.3           2019 Jan         2.8         5.5         0.7         -1.3           Apr         0.5         5.0         2.4         -2.9           Mar         1.9         -1.3         3.7         2.6           Jun         0.3         2.5         0.5         0.5           Jul         -1.0         2.5         0.5         0.5           Jun         0.3         2.6         3.5         0.9           Oct         -2.5         0.8         2.2         0.3           Nov	Mar				-0.2	2.6
Jun         -2.1         -2.6         -0.2         -1.4           Jul         -0.7         1.6         0.2         1.2           Aug         3.9         2.5         -0.4         1.0           Sep         -2.2         9.0         1.7         0.8           Oct         -1.7         5.58         -0.6         -2.4           Nov         3.6         0.3         -2.6         0.9           Dec         1.9         -1.0         3.4         0.3           2019 Jan         2.8         5.5         0.7         -1.3           Feb         -1.1         2.8         -4.9         -0.9           Mar         -1.9         -1.3         3.7         2.6           May         2.7         -0.4         -2.2         -1.6           Jun         0.3         2.5         1.4         0.8           Jul         -1.0         2.5         0.5         0.5           Aug         -0.5         -1.6         -1.6         -1.6           Jun         0.3         2.5         1.4         0.8           Jul         -1.0         2.5         0.5         0.5           Nov <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.0</td>						1.0
Jul         -0.7         1.6         0.2         1.2           Aug         3.9         2.5         -0.4         1.0           Sep         -2.2         9.0         1.7         0.8           Oct         -1.7         5.8         -0.6         -2.4           Nov         3.6         0.3         -2.6         0.9           Dec         1.9         -1.0         3.4         0.3           2019 Jan         2.8         5.5         0.7         -1.3           Feb         -1.1         2.8         4.9         -0.9           Mar         -1.9         -1.3         3.7         2.6           Apr         0.5         5.0         2.4         -2.9           May         2.7         0.4         -2.2         1.6           Jun         0.3         2.5         1.4         0.8           Aug         -0.5         -2.1         -1.9         -           Sep         -3.3         5.6         0.5         0.5           Aug         -0.5         0.8         2.2         0.3           Nov         -0.7         4.6         -0.8         -1.6           2017 Nov	May	-0.4	-0.5	0.8	0.4	0.3
Aug         3.9         2.5         0.4         1.0           Sep         2.22         9.0         1.7         0.8           Nov         3.6         0.3         2.26         0.9           Dec         1.9         1.0         3.4         0.3           2019 Jan         2.8         5.5         0.7         -1.3           Feb         1.1         2.8         4.9         9.09           Mar         1.9         1.3         3.7         2.6           Apr         0.5         5.0         2.4         -2.9           May         2.7         -0.4         -2.2         -1.6           Jun         0.3         2.5         0.5         0.5           Aug         -0.5         -2.1         -1.9         -           Aug         -0.5         -2.1         -1.9         -           Aug         -0.5         -2.1         -1.9         -           Sep         3.3         5.6         3.9         -           Oct         -2.5         0.8         2.2         0.3           Nov         -4.8         8.9         -1.6         -           Dec         5.9	Jun	-2.1	-2.6	-0.2	-1.4	2.3
Aug         3.9         2.5         0.4         1.0           Sep         2.22         9.0         1.7         0.8           Nov         3.6         0.3         2.26         0.9           Dec         1.9         1.0         3.4         0.3           2019 Jan         2.8         5.5         0.7         -1.3           Feb         1.1         2.8         4.9         9.09           Mar         1.9         1.3         3.7         2.6           Apr         0.5         5.0         2.4         -2.9           May         2.7         -0.4         -2.2         -1.6           Jun         0.3         2.5         0.5         0.5           Aug         -0.5         -2.1         -1.9         -           Aug         -0.5         -2.1         -1.9         -           Aug         -0.5         -2.1         -1.9         -           Sep         3.3         5.6         3.9         -           Oct         -2.5         0.8         2.2         0.3           Nov         -4.8         8.9         -1.6         -           Dec         5.9				0.2	1.2	-0.9
Oct         -1.7         -5.8         -0.6         -2.4           Nov         3.6         0.3         -2.6         0.9           Dec         1.9         -1.0         3.4         0.3           2019 Jan         2.8         5.5         0.7         -1.3           Feb         -1.1         2.8         4.9         -0.9           Mar         -1.9         -1.3         3.7         2.6           Apr         0.03         2.5         1.4         0.8           Jun         0.3         2.5         0.5         0.5           Aug         -0.5         -2.1         -1.9         -           Sep         -3.3         5.6         3.5         0.9           Oct         -2.5         0.8         2.2         0.3           Nov         -0.5         -1.1         -0.6         -1.6           2017 Nov         -4.8         8.9         -1.7         -1.0           Dec         -5.9         12.6         -1.1         -0.6           2018 Jan         -6.8         12.8         -0.4         -0.1           Mar         -1.7         9.5         3.4         0.5	Aug	3.9	2.5	-0.4	1.0	3.4
Nov         3.6         0.3         -2.6         0.9           Dec         1.9         -1.0         3.4         0.3           2019 Jan         2.8         5.5         0.7         -1.3           Feb         -1.1         2.8         4.9         -0.9           Mar         -1.9         -1.3         3.7         2.6           Apr         0.5         5.0         2.4         -2.9           May         2.7         -0.4         -2.2         -1.6           Jun         0.3         2.5         1.4         0.8           Jul         -1.0         2.5         0.5         0.5           Aug         -0.7         -4.6         -0.8         -1.6           Jul         -1.0         2.5         0.8         2.2         0.3           Nov         -0.7         -4.6         -0.8         -1.6           Percentage change, latest 3 months on same 3 months a year ago         -1.7         -1.0         -1.6           2017 Nov         -4.8         8.9         -1.7         -1.0         -1.6           2018 Jan         -6.8         12.8         -0.4         -0.1           Feb         -5.0	Sep		9.0		0.8	1.0
Dec         1.9         -1.0         3.4         0.3           2019 Jan         2.8         5.5         0.7         -1.3           Feb         -1.1         2.8         4.9         -0.9           Mar         -1.9         -1.3         3.7         2.6           Apr         0.5         5.0         2.4         -2.9           May         2.7         -0.4         -2.2         -1.6           Jun         0.3         2.5         1.4         0.8           Jul         -1.0         2.5         0.5         0.5           Aug         -0.5         -2.1         -1.9         -           Sep         -3.3         5.6         3.5         0.9           Oct         -2.5         0.8         2.2         0.3           Nov         -0.7         -4.6         0.8         -1.6           2017 Nov         -4.8         8.9         -1.7         -1.0           Dec         -5.9         12.6         -1.1         -0.6           2017 Nov         -4.8         8.9         -1.7         -1.0           Mar         -1.7         9.5         3.4         0.5	Oct	-1.7	-5.8	-0.6	-2.4	0.4
2019 Jan       2.8       5.5       0.7       -1.3         Feb       -1.1       2.8       -4.9       -0.9         Mar       -1.9       -1.3       3.7       2.6         Apr       0.5       5.0       2.4       -2.9         May       2.7       -0.4       -2.2       -1.6         Jun       0.3       2.5       1.4       0.8         Jul       -1.0       2.5       0.5       0.5         Aug       -0.5       -2.1       -1.9       -         Sep       -3.3       5.6       3.5       0.9         Oct       -2.5       0.8       2.2       0.3         Nov       -0.7       -4.6       -0.8       -1.6         Percentage change, latest 3 months on same 3 months a year ago	Nov	3.6	0.3	-2.6	0.9	0.2
Feb         -1.1         2.8         -4.9         -0.9           Mar         -1.9         -1.3         3.7         2.6           Apr         0.5         5.0         2.4         -2.9           May         2.7         -0.4         -2.2         -1.6           Jun         0.3         2.5         1.4         0.8           Jul         -1.0         2.5         0.5         0.5           Aug         -0.5         -2.1         -1.9         -           Sep         -3.3         5.6         3.5         0.9           Oct         -2.5         0.8         2.2         0.3           Nov         -0.7         -4.6         -0.8         -1.6           Percentage change, latest 3 months on same 3 months a year ago         -         -         -           2017 Nov         -4.8         8.9         -1.7         -1.0           Dec         -5.9         12.6         -1.1         -0.6           2018 Jan         -6.8         12.8         -0.4         -0.1           Feb         -5.0         11.3         2.1         -           Mar         -1.2         5.1         3.4         0.5		1.9		3.4	0.3	1.7
Mar         -1.9         -1.3         3.7         2.6           Apr         0.5         5.0         2.4         -2.9           May         2.7         -0.4         -2.2         -1.6           Jun         0.3         2.5         1.4         0.8           Jul         -1.0         2.5         0.5         0.5           Aug         -0.5         -2.1         -1.9         -           Sep         -3.3         5.6         3.5         0.9           Oct         -2.5         0.8         2.2         0.3           Nov         -0.7         4.6         -0.8         -1.6           Percentage change, latest 3 months on same 3 months a year ago         -         -         -           S2GM         S2GN         KF./6         S2GO         -           Dec         -5.9         12.6         -1.1         -0.6           2018 Jan         -6.8         12.8         -0.4         -0.1           Mar         -1.7         9.5         3.4         0.5           May         1.2         5.9         0.6         1.1           Jun         -1.5         3.1         -1.2         0.1 </td <td>2019 Jan</td> <td>2.8</td> <td>5.5</td> <td>0.7</td> <td>-1.3</td> <td>0.7</td>	2019 Jan	2.8	5.5	0.7	-1.3	0.7
Apr         0.5         5.0         2.4         2.9           May         2.7         -0.4         -2.2         -1.6           Jun         0.3         2.5         1.4         0.8           Jul         -1.0         2.5         0.5         0.5           Aug         -0.5         -2.1         1.9         -           Sep         -3.3         5.6         3.5         0.9           Oct         -2.5         0.8         2.2         0.3           Nov         -0.7         -4.6         -0.8         -1.6           Percentage change, latest 3 months or same 3 months a year ago         -         -         -           S2GM         S2GN         KFJ6         S2GO         -           Dec         -5.9         12.6         -1.1         -0.6           2018 Jan         -6.8         12.8         -0.4         -0.1           Mar         -1.7         9.5         3.4         0.5           Apr         0.3         8.0         1.3         0.6           May         1.2         5.9         0.6         1.1           Jun         -1.5         3.1         -1.2         0.1	Feb	-1.1	2.8	-4.9	-0.9	-0.1
May         2.7         -0.4         -2.2         -1.6           Jun         0.3         2.5         1.4         0.8           Jul         -1.0         2.5         0.5         0.5           Aug         -0.5         -2.1         -1.9         -           Sep         -3.3         5.6         3.5         0.9           Oct         -2.5         0.8         2.2         0.3           Nov         -0.7         -4.6         -0.8         -1.6           Percentage change, latest 3 months on same 3 months a year ago         S2GM         KFJ6         S2GO         5           2017 Nov         -4.8         8.9         -1.7         -1.0         -         -           Dec         -5.9         12.6         -1.1         -0.6         -         -           2018 Jan         -6.8         12.8         -0.4         -0.1         -           Mar         -1.7         9.5         3.4         0.5         -           Mar         -1.7         9.5         3.4         0.5         -           May         1.2         5.9         0.6         1.1         -           Jun         -3.5 <t< td=""><td>Mar</td><td>-1.9</td><td>-1.3</td><td>3.7</td><td>2.6</td><td>-1.3</td></t<>	Mar	-1.9	-1.3	3.7	2.6	-1.3
Jun         0.3         2.5         1.4         0.8           Jul         -1.0         2.5         0.5         0.5           Aug         -0.5         -2.1         -1.9         -           Sep         -3.3         5.6         3.5         0.9           Oct         -2.5         0.8         2.2         0.3           Nov         -0.7         -4.6         -0.8         -1.6           Percentage change, latest 3 months on same 3 months a year ago         KFJ6         S2GO         S2GM           2017 Nov         -4.8         8.9         -1.7         -1.0           Dec         -5.9         12.6         -1.1         -0.6           2018 Jan         -6.8         12.8         -0.4         -0.1           Feb         -5.0         11.3         2.1         -           Mar         -1.7         9.5         3.4         0.6           May         1.2         5.9         0.6         1.1           Jun         -1.5         3.1         -1.2         0.1           Jul         -3.5         3.8         0.6         0.3           Aug         -3.8         4.4         0.2         0.5<	Apr		5.0	2.4	-2.9	2.8
Jul       -1.0       2.5       0.5       0.5         Aug       -0.5       -2.1       -1.9       -         Sep       -3.3       5.6       3.5       0.9         Oct       -2.5       0.8       2.2       0.3         Nov       -0.7       -4.6       -0.8       -1.6         Percentage change, latest 3 months on same 3 months a year ago         2017 Nov       -4.8       8.9       -1.7       -1.0         Dec       -5.9       12.6       -1.1       -0.6         2018 Jan       -6.8       12.8       -0.4       -0.1         Feb       -5.0       11.3       2.1       -         Mar       -1.7       9.5       3.4       0.5         Apr       0.3       8.0       1.3       0.6         May       1.2       5.9       0.6       1.1         Jul       -3.5       3.8       0.6       0.3         Aug       -3.8       4.4       0.2       0.5         Sep       -2.6       9.6       0.1       1.9         Jul       -3.5       8.8       -2.5       2.6         Nov       -2.6       9.2	May			-2.2	-1.6	-0.6
Aug         -0.5         -2.1         -1.9         -           Sep         -3.3         5.6         3.5         0.9           Oct         -2.5         0.8         2.2         0.3           Nov         -0.7         -4.6         -0.8         -1.6           Percentage change, latest 3 months on same 3 months a year ago         KFJ6         S2GO         S2GN           2017 Nov         -4.8         8.9         -1.7         -1.0         -           Dec         -5.9         12.6         -1.1         -0.6         -           2018 Jan         -6.8         12.8         -0.4         -0.1         -           Mar         -1.7         9.5         3.4         0.5         -           Mar         -1.7         9.5         3.4         0.5         -           Mar         -1.7         9.5         3.4         0.5         -           May         1.2         5.9         0.6         1.1         -           Jun         -1.5         3.1         -1.2         0.1         -           Jul         -3.5         3.8         0.6         0.3         -           Sep         -2.6 <t< td=""><td>Jun</td><td>0.3</td><td>2.5</td><td>1.4</td><td>0.8</td><td>0.7</td></t<>	Jun	0.3	2.5	1.4	0.8	0.7
Sep Oct         -3.3         5.6         3.5         0.9           Oct         -2.5         0.8         2.2         0.3           Nov         -0.7         -4.6         -0.8         -1.6           Percentage change, latest 3 months on same 3 months a year ago         S2GM         KFJ6         S2GO         S2GO           2017 Nov         -4.8         8.9         -1.7         -1.0         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.6         -0.1         -0.1         -0.1         -0.1         -0.1         -0.1         -0.1         -0.1         -0.1         -0.1         -0.1         -0.1         -0.1         -0.1         -0.1         -0.1         -0.1         -0.1         -0.1 <td< td=""><td>Jul</td><td></td><td></td><td></td><td>0.5</td><td>0.1</td></td<>	Jul				0.5	0.1
Oct         -2.5         0.8         2.2         0.3           Nov         -0.7         -4.6         -0.8         -1.6           Percentage change, latest 3 months on same 3 months a year ago         KFJ6         S2GO         S2GN           2017 Nov         -4.8         8.9         -1.7         -1.0         -10         -10         -10         -10         -10         -10         -10         -10         -11         -0.6         -11         -0.6         -11         -0.6         -11         -0.6         -11         -0.6         -11         -0.6         -11         -0.6         -11         -0.6         -11         -0.6         -11         -0.6         -11         -0.6         -11         -0.6         -11         -0.6         -11         -0.6         -11         -10         -11         -10         -11         -10         -11					-	-1.2
Nov         -0.7         -4.6         -0.8         -1.6           Percentage change, latest 3 months on same 3 months a year ago         KFJ6         S2GO         S2GO           2017 Nov         -4.8         8.9         -1.7         -1.0         -           Dec         -5.9         12.6         -1.1         -0.6         -           2018 Jan         -6.8         12.8         -0.4         -0.1           Feb         -5.0         11.3         2.1         -           Mar         -1.7         9.5         3.4         0.5           Apr         0.3         8.0         1.3         0.6           May         1.2         5.9         0.6         1.1           Jun         -1.5         3.1         -1.2         0.1           Jul         -3.5         3.8         0.6         0.3           Aug         -2.6         9.6         0.1         1.9           Oct         -2.5         8.8         -2.5         2.6           Nov         -2.6         9.2         -0.7         2.3           Dec         -1.0         5.5         -0.9         1.2           2019 Jan         3.0         6						0.7
Percentage change, latest 3 months on same 3 months a year ago         KFJ6         S2GO         S2GO         S2GN         KFJ6         S2GO         S2GO         S2GN         Latest 3 months a year ago         S2GN         S2GN         KFJ6         S2GO         S2GO         S2GN         S2GN         Latest 3 months a year ago         S2GN         S2GN         KFJ6         S2GO         S2GN         S2GN         S2GN         Latest 3 months a year ago         S2GN         S2GN <td></td> <td></td> <td></td> <td></td> <td></td> <td>-0.1</td>						-0.1
S2GM         S2GN         KFJ6         S2GO         S2GO         S2GN         C         S2GO         S2GN         C         S2GN         S2GO         S2GO         S2GN         S2GN<	Nov	-0.7	-4.6	-0.8	-1.6	-0.6
S2GM         S2GN         KFJ6         S2GO         S2GO         S2GN         C         S2GO         S2GN         C         S2GN         S2GO         S2GO         S2GN         S2GN<	<b>_</b>	• • •				
2017 Nov       -4.8       8.9       -1.7       -1.0         Dec       -5.9       12.6       -1.1       -0.6         2018 Jan       -6.8       12.8       -0.4       -0.1         Feb       -5.0       11.3       2.1       -         Mar       -1.7       9.5       3.4       0.5         Apr       0.3       8.0       1.3       0.6         May       1.2       5.9       0.6       1.1         Jun       -1.5       3.1       -1.2       0.1         Jul       -3.5       3.8       0.6       0.3         Aug       -3.8       4.4       0.2       0.5         Sep       -2.6       9.6       0.1       1.9         Oct       -2.5       8.8       -2.5       2.6         Nov       -2.6       9.2       -0.7       2.3         Dec       -1.0       5.5       -0.9       1.2         Vol       -2.6       9.2       -0.7       2.3         Dec       -1.0       5.5       -0.9       1.2         Agr       3.8       12.7       -1.3       -0.1         Mar       3.8 <td< td=""><td>Percentage change, latest</td><td></td><td></td><td>KEIG</td><td>8200</td><td>S2GP</td></td<>	Percentage change, latest			KEIG	8200	S2GP
Dec         -5.9         12.6         -1.1         -0.6           2018 Jan         -6.8         12.8         -0.4         -0.1           Feb         -5.0         11.3         2.1         -           Mar         -1.7         9.5         3.4         0.5           Apr         0.3         8.0         1.3         0.6           May         1.2         5.9         0.6         1.1           Jun         -1.5         3.1         -1.2         0.1           Jul         -3.5         3.8         0.6         0.3           Aug         -3.8         4.4         0.2         0.5           Sep         -2.6         9.6         0.1         1.9           Oct         -2.5         8.8         -2.5         2.6           Nov         -2.6         9.2         -0.7         2.3           Dec         -1.0         5.5         -0.9         1.2           2019 Jan         3.0         6.2         -         0.5           Feb         4.4         9.4         -1.2         -0.4           Mar         3.8         12.7         -1.3         -0.1           Apr <td>0017 Nev</td> <td></td> <td></td> <td></td> <td></td> <td>52GP 9.2</td>	0017 Nev					52GP 9.2
2018 Jan         -6.8         12.8         -0.4         -0.1           Feb         -5.0         11.3         2.1         -           Mar         -1.7         9.5         3.4         0.5           Apr         0.3         8.0         1.3         0.6           May         1.2         5.9         0.6         1.1           Jun         -1.5         3.1         -1.2         0.1           Jul         -3.5         3.8         0.6         0.3           Aug         -3.8         4.4         0.2         0.5           Sep         -2.6         9.6         0.1         1.9           Oct         -2.5         8.8         -2.5         2.6           Nov         -2.6         9.2         -0.7         2.3           Dec         -1.0         5.5         -0.9         1.2           2019 Jan         3.0         6.2         -         0.5           Feb         4.4         9.4         -1.2         -0.4           Mar         3.8         12.7         -1.3         -0.1           Apr         2.2         14.2         0.2         -0.6           May						9.2
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$						9.0 10.4
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$						9.7
Apr         0.3         8.0         1.3         0.6           May         1.2         5.9         0.6         1.1           Jun         -1.5         3.1         -1.2         0.1           Jul         -3.5         3.8         0.6         0.3           Aug         -3.8         4.4         0.2         0.5           Sep         -2.6         9.6         0.1         1.9           Oct         -2.5         8.8         -2.5         2.6           Nov         -2.6         9.2         -0.7         2.3           Dec         -1.0         5.5         -0.9         1.2           2019 Jan         3.0         6.2         -         0.5           Feb         4.4         9.4         -1.2         -0.4           Mar         3.8         12.7         -1.3         -0.1           Apr         2.2         14.2         0.2         -0.6           May         2.6         14.0         1.2         -1.4           Jun         5.1         17.8         2.5         -2.4           Jul         6.9         20.2         2.1         -2.6						9.2
May         1.2         5.9         0.6         1.1           Jun         -1.5         3.1         -1.2         0.1           Jul         -3.5         3.8         0.6         0.3           Aug         -3.8         4.4         0.2         0.5           Sep         -2.6         9.6         0.1         1.9           Oct         -2.5         8.8         -2.5         2.6           Nov         -2.6         9.2         -0.7         2.3           Dec         -1.0         5.5         -0.9         1.2           Other         3.0         6.2         -         0.5           Feb         4.4         9.4         -1.2         -0.4           Mar         3.8         12.7         -1.3         -0.1           Apr         2.2         14.2         0.2         -0.6           May         2.6         14.0         1.2         -1.4           Jun         5.1         17.8         2.5         -2.4           Jul         6.9         20.2         2.1         -2.6						5.2 7.7
Jun         -1.5         3.1         -1.2         0.1           Jul         -3.5         3.8         0.6         0.3           Aug         -3.8         4.4         0.2         0.5           Sep         -2.6         9.6         0.1         1.9           Oct         -2.5         8.8         -2.5         2.6           Nov         -2.6         9.2         -0.7         2.3           Dec         -1.0         5.5         -0.9         1.2           2019 Jan         3.0         6.2         -         0.5           Feb         4.4         9.4         -1.2         -0.4           Mar         3.8         12.7         -1.3         -0.1           Apr         2.2         14.2         0.2         -0.6           May         2.6         14.0         1.2         -1.4           Jun         5.1         17.8         2.5         -2.4           Jul         6.9         20.2         2.1         -2.6						7.9
Jul         -3.5         3.8         0.6         0.3           Aug         -3.8         4.4         0.2         0.5           Sep         -2.6         9.6         0.1         1.9           Oct         -2.5         8.8         -2.5         2.6           Nov         -2.6         9.2         -0.7         2.3           Dec         -1.0         5.5         -0.9         1.2           2019 Jan         3.0         6.2         -         0.5           Feb         4.4         9.4         -1.2         -0.4           Mar         3.8         12.7         -1.3         -0.1           Apr         2.2         14.2         0.2         -0.6           May         2.6         14.0         1.2         -1.4           Jun         5.1         17.8         2.5         -2.4           Jul         6.9         20.2         2.1         -2.6						7.5
Aug         -3.8         4.4         0.2         0.5           Sep         -2.6         9.6         0.1         1.9           Oct         -2.5         8.8         -2.5         2.6           Nov         -2.6         9.2         -0.7         2.3           Dec         -1.0         5.5         -0.9         1.2           2019 Jan         3.0         6.2         -         0.5           Feb         4.4         9.4         -1.2         -0.4           Mar         3.8         12.7         -1.3         -0.1           Apr         2.2         14.2         0.2         -0.6           May         2.6         14.0         1.2         -1.4           Jun         5.1         17.8         2.5         -2.4           Jul         6.9         20.2         2.1         -2.6						6.9
Sep         -2.6         9.6         0.1         1.9           Oct         -2.5         8.8         -2.5         2.6           Nov         -2.6         9.2         -0.7         2.3           Dec         -1.0         5.5         -0.9         1.2           2019 Jan         3.0         6.2         -         0.5           Feb         4.4         9.4         -1.2         -0.4           Mar         3.8         12.7         -1.3         -0.1           Apr         2.2         14.2         0.2         -0.6           May         2.6         14.0         1.2         -1.4           Jun         5.1         17.8         2.5         -2.4           Jul         6.9         20.2         2.1         -2.6						7.5
Oct         -2.5         8.8         -2.5         2.6           Nov         -2.6         9.2         -0.7         2.3           Dec         -1.0         5.5         -0.9         1.2           2019 Jan         3.0         6.2         -         0.5           Feb         4.4         9.4         -1.2         -0.4           Mar         3.8         12.7         -1.3         -0.1           Apr         2.2         14.2         0.2         -0.6           May         2.6         14.0         1.2         -1.4           Jun         5.1         17.8         2.5         -2.4           Jul         6.9         20.2         2.1         -2.6						8.3
Nov         -2.6         9.2         -0.7         2.3           Dec         -1.0         5.5         -0.9         1.2           2019 Jan         3.0         6.2         -         0.5           Feb         4.4         9.4         -1.2         -0.4           Mar         3.8         12.7         -1.3         -0.1           Apr         2.2         14.2         0.2         -0.6           May         2.6         14.0         1.2         -1.4           Jun         5.1         17.8         2.5         -2.4           Jul         6.9         20.2         2.1         -2.6						9.2
Dec         -1.0         5.5         -0.9         1.2           2019 Jan         3.0         6.2         -         0.5           Feb         4.4         9.4         -1.2         -0.4           Mar         3.8         12.7         -1.3         -0.1           Apr         2.2         14.2         0.2         -0.6           May         2.6         14.0         1.2         -1.4           Jun         5.1         17.8         2.5         -2.4           Jul         6.9         20.2         2.1         -2.6						9.0
2019 Jan         3.0         6.2         0.5           Feb         4.4         9.4         -1.2         -0.4           Mar         3.8         12.7         -1.3         -0.1           Apr         2.2         14.2         0.2         -0.6           May         2.6         14.0         1.2         -1.4           Jun         5.1         17.8         2.5         -2.4           Jul         6.9         20.2         2.1         -2.6						9.4
Feb4.49.4-1.2-0.4Mar3.812.7-1.3-0.1Apr2.214.20.2-0.6May2.614.01.2-1.4Jun5.117.82.5-2.4Jul6.920.22.1-2.6						10.1
Mar3.812.7-1.3-0.1Apr2.214.20.2-0.6May2.614.01.2-1.4Jun5.117.82.5-2.4Jul6.920.22.1-2.6				-1.2		11.5
Apr         2.2         14.2         0.2         -0.6           May         2.6         14.0         1.2         -1.4           Jun         5.1         17.8         2.5         -2.4           Jul         6.9         20.2         2.1         -2.6						10.9
May 2.6 14.0 1.2 -1.4 Jun 5.1 17.8 2.5 -2.4 Jul 6.9 20.2 2.1 -2.6						10.9
Jun 5.1 17.8 2.5 -2.4 Jul 6.9 20.2 2.1 -2.6						9.9
Jul 6.9 20.2 2.1 -2.6						9.6
						9.1
Aug 6.1 20.8 2.2 -2.5		6.1	20.8	2.2		7.3
Sep 4.2 18.0 2.3 -3.0		4.2	18.0	2.3	-3.0	5.9
Oct 2.0 17.6 3.4 -2.4		2.0	17.6	3.4	-2.4	4.1
Nov -0.1 17.1 5.6 -2.3	Nov	-0.1	17.1	5.6	-2.3	3.6

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reflect values measured at basic prices, which exclude taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

	Industry components (SIC2007)						
		Motion pictures,			Computer		
		tv production,	Programming		programming		
	Publishing	sound and music	and broadcasting	Telecom	consultancy and		
	activities	activities	activites	-munications	related activities		
Component	58	59	60	61	62		
2016 weights	8	8	6	23	32		
ercentage change, latest	3 months on previous 3 n	nonths					
	S2BW	S2BX	KFJ8	S2BY	S2BZ		
2017 Nov	-1.2	2.4	1.1	-1.2	1.9		
Dec	-0.6	4.3	0.8	-0.2	1.8		
2018 Jan	-1.8	2.8	-2.5	1.4	1.2		
Feb	-1.9	1.6	0.7	1.6			
Mar	-1.1	-0.3	0.3	0.8			
Apr	1.0	-0.5	-0.4	0.2	0.3		
May	1.2	1.4	-1.0	0.1	2.		
Jun	-0.5	1.1	-1.7	0.1	3.0		
Jul	-2.3	-0.2	-0.2	0.1	3.		
Aug	-2.0	-1.0	-0.6	0.1	3.		
Sep	-0.5	4.3	0.7	1.3	3.3		
Oct	0.6	6.6	0.6	1.0	4.		
Nov	0.1	7.2	0.2	0.5	3.3		
Dec	1.0	0.4	-0.3	-0.9	2.9		
2019 Jan	3.8	0.3	-	-0.7	2.		
Feb	5.2	1.8	0.2	-1.1	2.3		
Mar	3.8	6.4	-0.1	-0.5	1.4		
Apr	0.2	7.1	-0.2	-0.9	1.0		
May	-0.5	5.7	1.4	-0.9	0.		
Jun	0.7	5.7	2.1	-2.3	1.3		
Jul	2.2	5.0	1.7	-2.0	1.4		
Aug	1.4	4.8	0.4	-1.0	0.9		
Sep	-1.4	4.5	0.6	0.7	-0.		
Oct	-4.1	4.3	1.9	1.2	-0.4		
Nov	-5.8	3.9	3.6	0.6	-0.3		

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

subsidies on products<sup>2</sup>.
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 A completer run of data is available on the ONS website as a Time series dataset

### IOSCOMP IOS: Inde: Telecom Chained vunications

seasonally adjusted 2016 = 100

			Industry components (SIC Financial	Insurance,	Activities
	Information	Financial	service activities	except	auxiliar
	service	and insurance	except insurance	compulsory	to financial services
	activities	activities	and pension funding	social security	and insurance
Component	63	K	64	65.1-2	66
016 weights	5	91	53	21	1
	S2LG	S2LH	S2LI	S2LJ	S2LI
2014	95.1	100.1	99.2	98.8	108.2
2015	99.5	96.3	97.7	98.7	89.8
2016	100.0	100.0	100.0	100.0	100.0
2017	106.7	99.1	101.8	98.3	91.6
2018	119.8	98.1	101.3	95.2	91.3
2010	119.6	90.1	101.3	95.2	91.
2017 Nov	112.4	98.1	101.1	96.7	90.3
Dec	115.8	98.3	101.1	96.8	91.
2018 Jan	110.2	98.9	101.6	96.7	92.8
Feb	114.3	99.4	102.1	96.6	94.4
Mar	114.8	99.2	102.4	96.3	92.
Apr	117.0	99.0	102.4	95.8	92.
May	117.9	98.6	102.2	95.5	91.
Jun	118.0	98.2	101.6	95.4	91.
Jul	119.6	97.9	101.0	95.1	91.
Aug	124.1	97.6	100.6	94.9	91.
Sep	121.0	97.4	100.5	94.5	91.
Oct	124.7	97.2	100.6	94.1	90.
Nov	129.7	96.9	100.5	93.8	89.
Dec	126.5	96.4	99.9	93.8	88.
2019 Jan	136.5	96.1	99.3	93.2	89.
Feb	142.5	95.5	98.3	93.0	89.
Mar	139.8	94.9	97.5	92.8	89.
Apr	137.5	94.5	97.0	92.5	88.
May	145.0	94.5	97.1	92.4	88.
Jun	143.5	95.0	97.8	92.6	88.
Jul	147.7	95.5	98.6	92.8	88.
Aug	145.6	96.1	99.3	92.8	89.
Sep	149.3	95.9	99.5	92.6	88.
Oct	148.9	95.4	99.1	92.1	87.
Nov	140.9	95.1	98.7	92.1	
INOV	147.1	95.1	98.7	91.9	87.
Percentage change, late	st year on previous year				
or contrago on ango, lato	S22M	S22N	S22O	S22P	S22F
2014	12.3	-1.0	-2.9	-2.4	8.
2015	4.7	-3.8	-1.5	-0.1	-17.
2015	0.5	3.8	2.3	1.3	-17.
2017	6.7	-0.9	1.8	-1.7	-8.
2018	12.3	-1.1	-0.5	-3.1	-0.
orcontoro obonro loto	t month on come month	0 V001 000			
rencentage change, late	st month on same month S27C	S27D	S27E	S27F	S27
2017 Nov	8.2	-2.9	0.7	-3.6	-13.
Dec 0010 Jan	11.4	-1.9	0.3	-2.2	-9.
2018 Jan	7.7	-0.9	-1.2	-2.4	2.
Feb	15.1	-0.4	-0.4	-2.6	2.
Mar	12.9	-0.8	0.3	-3.2	-1.
Apr	12.5	-0.9	0.5	-3.8	-2.
May	11.2	-1.0	0.4	-3.9	-1.
Jun	10.4	-1.1	-0.3	-3.6	-0.
Jul	13.6	-1.5	-0.7	-3.3	-1.
Aug	15.7	-1.3	-1.2	-3.0	0.
Sep	10.3	-1.2	-1.3	-2.8	1.
Oct	14.3	-0.8	-0.6	-2.8	1.
Nov	14.3	-0.8	-0.6	-2.0	-1.
Dec	9.2	-1.9	-1.2	-3.0	-2.
2019 Jan	23.9	-2.8	-2.3	-3.6	-3.
Feb	24.7	-4.0	-3.7	-3.7	-5.
	21.7	-4.3	-4.8	-3.6	-3.
Mar	17.5	-4.6	-5.3	-3.5	-3.
		-4.2	-5.0	-3.2	-2.
Mar Apr	23.0			-2.9	-2.
Mar Apr May	23.0 21.6				
Mar Apr May Jun	21.6	-3.3	-3.7		
Mar Apr May Jun Jul	21.6 23.5	-3.3 -2.4	-2.3	-2.4	-2.
Mar Apr May Jun Jul Aug	21.6 23.5 17.3	-3.3 -2.4 -1.6	-2.3 -1.2	-2.4 -2.2	-2. -2.
Mar Apr Jun Jul Aug Sep	21.6 23.5 17.3 23.4	-3.3 -2.4 -1.6 -1.5	-2.3 -1.2 -1.0	-2.4 -2.2 -2.0	-2. -2. -2.
Mar Apr May Jun Jul Aug	21.6 23.5 17.3	-3.3 -2.4 -1.6	-2.3 -1.2	-2.4 -2.2	-2. -2.

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>.

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

ontinued			Industry components (SIC200	זא	
			Financial	Insurance,	Activities
	Information	Financial	service activities	except	auxiliary
		and insurance			to financial services
	service activities	activities	except insurance and pension funding	compulsory	and insurance
Component				social security 65.1-2	
Component	<u>63</u> 5	<u> </u>	<u>64</u> 53	<u>65.1-2</u> 21	<u> </u>
2016 weights	5	91	53	21	1/
ercentage change, latest r					
	S22M	S22N	S22O	S22P	S22F
2017 Nov	3.0	0.2	-0.1	-0.1	1.4
Dec	3.1	0.2	-	-	1.0
2018 Jan	-4.9	0.6	0.5	-	1.9
Feb	3.7	0.6	0.5	-0.1	1.7
Mar	0.5	-0.2	0.3	-0.4	-1.7
Apr	1.9	-0.2	-	-0.5	-0.8
May	0.7	-0.4	-0.3	-0.4	-1.(
Jun	0.1	-0.4	-0.5	-0.1	-0.1
Jul	1.3	-0.4	-0.6	-0.2	0.2
Aug	3.8	-0.2	-0.0	-0.2	0.4
Sep	-2.5	-0.2	-0.4	-0.3	-0.7
	-2.5	-0.3	-0.1	-0.4	
Oct					-0.8
Nov	4.0	-0.4	-0.1	-0.3	-1.0
Dec	-2.5	-0.5	-0.6	-	-0.8
2019 Jan	7.9	-0.4	-0.7	-0.7	1.1
Feb	4.4	-0.6	-1.0	-0.2	0.2
Mar	-1.9	-0.6	-0.8	-0.2	-0.1
Apr	-1.6	-0.5	-0.5	-0.3	-0.7
May	5.5	-	0.1	-0.1	0.1
Jun	-1.0	0.5	0.8	0.3	-0.3
Jul	2.9	0.6	0.8	0.2	0.1
Aug	-1.4	0.6	0.7	0.2	0. 1.0
	2.5	-0.2	0.7	-0.2	-1.1
Sep					
Oct	-0.3	-0.5	-0.4	-0.5	-1.:
Nov	-1.2	-0.2	-0.3	-0.2	0.1
ercentage change, latest 3	8 months on same 3 months				
	S2GQ	S2GR	S2GS	S2GT	S2G\
2017 Nov	6.7	-3.5	1.1	-3.7	-16.9
Dec	8.4	-2.9	0.7	-3.2	-13.6
2018 Jan	9.1	-1.9	-0.1	-2.7	-7.1
Feb	11.3	-1.1	-0.4	-2.4	-1.8
Mar	11.9	-0.7	-0.4	-2.7	1.1
Apr	13.5	-0.7	0.1	-3.2	-0.3
May	12.2	-0.9	0.4	-3.6	-1.
Jun	11.3	-0.9	0.4	-3.8	-1.
	11.3	-1.0	-0.2	-3.6	
Jul					-1.3
Aug	13.2	-1.3	-0.7	-3.3	-0.4
Sep	13.2	-1.3	-1.0	-3.1	0.
Oct	13.4	-1.1	-1.0	-2.9	1.1
Nov	13.3	-1.1	-0.8	-2.9	0.
Dec	12.9	-1.3	-0.8	-3.0	-0.9
2019 Jan	16.0	-2.0	-1.4	-3.2	-2.0
Feb	19.1	-2.9	-2.4	-3.5	-3.9
Mar	23.4	-3.7	-3.6	-3.7	-4.
Apr	21.3	-4.3	-4.6	-3.6	-4.
May	20.8	-4.4	-5.0	-3.4	-3.1
	20.8	-4.4	-5.0	-3.4	-3.
		-4.0 -3.3			
Jun			-3.7	-2.8	-2.0
Jul	22.7				
Jul Aug	20.8	-2.5	-2.4	-2.5	
Jul Aug Sep	20.8 21.4	-2.5 -1.8	-2.4 -1.5	-2.5 -2.2	-2.
Jul Aug	20.8	-2.5	-2.4	-2.5	-2.5 -2.5 -2.5 -2.4

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reflect values measured at basic prices, which exclude 'taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added <sup>1,2,3</sup>

seasonally adjusted 2016 = 100

			Industry components (SIC200	)7)	
			Financial	Insurance,	Activities
	Information	Financial	service activities	except	auxiliary
	service	and insurance	except insurance	compulsory	to financial services
	activities	activities	and pension funding	social security	and insurance
Component	63	К	64	65.1-2	66
2016 weights	5	91	53	21	17
Percentage change, lates	t 3 months on previous 3 r	nonths			
		S2C3	S2C4	S2C5	S2C7
2017 Nov	3.7	-1.0	-0.4	-1.5	-2.2
Dec	4.7	-0.8	-0.6	-1.1	-1.2
2018 Jan	3.8	-	-0.3	-0.6	1.6
Feb	2.7	0.7	0.2	-0.2	3.4
Mar	0.6	1.1	0.9	-0.2	3.
Apr	2.3	0.8	1.0	-0.5	1.8
May	2.8	0.1	0.7	-0.9	-0.9
Jun	4.0	-0.6	0.1	-1.0	-2.
Jul	2.7	-1.0	-0.7	-1.0	-2.
Aug	3.4	-1.1	-1.3	-0.8	-0.
Sep	3.3	-1.0	-1.4	-0.8	-0.
Oct	4.0	-0.9	-1.0	-0.9	-0.
Nov	3.8	-0.8	-0.5	-1.1	-1.3
Dec	4.4	-0.8	-0.3	-1.0	-2.1
2019 Jan	6.2	-1.0	-0.7	-0.9	-2.
Feb	8.0	-1.2	-1.4	-0.8	-1.
Mar	10.0	-1.4	-2.0	-0.9	0.3
Apr	6.9	-1.6	-2.3	-0.9	0.
May	4.2	-1.4	-2.0	-0.8	-0.
Jun	1.7	-0.9	-1.1	-0.5	-0.
Jul	3.9	-	0.3	-0.2	-0.
Aug	3.5	0.9	1.5	0.2	
Sep	3.9	1.2	1.9	0.2	0.
Oct	1.7	0.8	1.5	-0.1	-0.
Nov	1.9	-	0.5	-0.6	-1.:

1 Indices reflect values measured at basic prices, which exclude "taxes less a indices reliect values integrated at basic prices, which exclude taxes less subsidies on products<sup>a</sup>.
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 A complete run of data is available on the ONS website as a

Time series dataset

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

		lad	istri asmasanta (CICC	007	
		Buying, selling	ustry components (SIC2	Real estate	
		and renting		activities	Professional scientific and
	Real estate	of own or leased	Imputed	on fee or	technica
	activities	real estate	rent	contract basis	activities
omponent	L	68.1-2	68.2lmp	68.3	N
016 weights	176	48	123	5	95
<u>-</u>	S2LM	S2LN	S2LO	S2LP	S2LC
2014	95.4	94.7	95.7	93.0	92.3
2015	98.0	98.6	97.7	100.7	96.7
2016	100.0	100.0	100.0	100.0	100.0
2017	99.0	101.0	98.1	102.1	104.5
2018	99.6	102.7	98.4	100.1	109.7
2017 Nov	99.2	101.8	98.0	103.4	106.6
Dec	99.2	102.0	98.0	101.4	107.1
2018 Jan	99.4	102.3	98.2	101.4	108.6
Feb	99.5	102.4	98.3	101.7	107.1
Mar	99.6	102.5	98.4	101.4	108.0
Apr	99.7	102.7	98.5	99.3	109.0
May	99.8	103.0	98.6	98.1	109.0
Jun	99.7	102.4	98.6	101.4	108.8
Jul	99.7	102.6	98.6	99.7	110.2
Aug	99.6	102.5	98.5	99.7	110.3
Sep	99.5	102.5	98.5	97.8	110.7
Oct	99.8	103.3	98.4	100.3	111.4
Nov	99.7	102.8	98.4	100.7	112.0
Dec	99.8	102.0	98.5	100.3	110.9
2019 Jan	99.9	103.0	98.6	101.2	109.7
Feb	100.0	102.9	98.7	103.6	111.2
Mar	100.1	103.6	98.7	99.8	110.9
Apr	100.1	104.0	98.7	98.6	110.1
May	100.3	104.2	98.7	101.6	110.3
Jun	100.1	103.9	98.8	96.6	112.0
Jul	100.2	103.3	99.0	99.8	112.2
Aug	100.2	103.4	99.1	97.8	112.1
Sep	100.4	103.5	99.2	100.8	111.6
Oct	100.8	104.6	99.3	100.5	113.1
Nov	100.8	104.5	99.4	100.6	112.1
ercentage change, latest ye					
	S22S	S22T	S22U	S22V	S22W
	0220		3220		OLL II
2014	1.8	3.2	1.0	6.5	4.4
2015	1.8 2.8	3.2 4.1	1.0 2.1	6.5 8.3	4.4 4.8
2015 2016	1.8 2.8 2.0	3.2 4.1 1.4	1.0 2.1 2.4	6.5 8.3 -0.7	4.4 4.8 3.4
2015	1.8 2.8	3.2 4.1	1.0 2.1	6.5 8.3	4.4 4.8
2015 2016 2017 2018	1.8 2.8 2.0 -1.0 0.6	3.2 4.1 1.4 1.0 1.6	1.0 2.1 2.4 -1.9	6.5 8.3 -0.7 2.1	4.4 4.8 3.4 4.5
2015 2016 2017 2018	1.8 2.8 2.0 -1.0 0.6	3.2 4.1 1.4 1.0 1.6	1.0 2.1 2.4 -1.9	6.5 8.3 -0.7 2.1	4.4 4.8 3.4 4.9 4.9
2015 2016 2017 2018	1.8 2.8 2.0 -1.0 0.6 wonth on same month a	3.2 4.1 1.4 1.0 1.6 a year ago	1.0 2.1 2.4 -1.9 0.3	6.5 8.3 -0.7 2.1 -2.0	4.4 4.8 3.4 4.5 S27N
2015 2016 2017 2018 ercentage change, latest m	1.8 2.8 2.0 -1.0 0.6 nonth on same month a S271	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J	1.0 2.1 2.4 -1.9 0.3 S27K	6.5 8.3 -0.7 2.1 -2.0 S27L	4.4 4.8 3.4 4.5 S27N 4.8
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec	1.8 2.8 2.0 -1.0 0.6 onth on same month a S271 -1.7 -1.1	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> 827J 1.8 2.2	1.0 2.1 2.4 -1.9 0.3 \$27K -3.4 -2.4	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0	4.4 4.8 3.4 4.5 4.5 S27N 4.8 4.5
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan	1.8 2.8 2.0 0.10 0.6 sonth on same month a \$271 -1.7 -1.7 -0.3	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5	1.0 2.1 2.4 -1.9 0.3 S27K -3.4 -2.4 -0.9	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3	4.4 4.5 3.4 4.5 4.5 527N 4.5 4.5 4.1
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb	1.8 2.8 2.0 0.6 onth on same month a S271 -1.7 -1.1 -0.3 0.2	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0	1.0 2.1 2.4 -1.9 0.3 \$27K -3.4 -2.4 -0.9 -0.4	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3	4.4 4.8 3.4 4.5 4.5 527M 4.8 4.9 4.9 4.9
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar	1.8 2.8 2.0 0.6 0.6 0.6 0.6 0.7 1.7 -1.7 -1.1 -0.3 0.2 0.6	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2	1.0 2.1 2.4 -1.9 0.3 \$27K -3.4 -2.4 -0.9 -0.4 -0.1	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5	4.4 3.4 4.5 4.5 527M 4.6 4.5 4.5 5.0
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr	1.8 2.8 2.0 -1.0 0.6 conth on same month a S271 -1.7 -1.1 -0.3 0.2 0.6 0.7	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9	1.0 2.1 2.4 -1.9 0.3 S27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2	4.4 4.5 3.4 4.5 4.5 527M 4.6 4.5 6.5
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May	1.8 2.0 2.0 .1.0 0.6 sonth on same month a \$271 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.5 2.0 2.2 1.9 2.1	1.0 2.1 2.4 -1.9 0.3 \$27K -3.4 -0.9 -0.4 -0.1 0.3 0.5	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7	4.4 4.8 3.4 4.9 4.9 4.9 4.9 4.1 4.1 4.1 4.1 5.0 6.5
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun	1.8 2.8 2.0 0.6 0.6 0.6 0.7 1.7 -1.7 -1.1 -0.3 0.2 0.6 0.7 .8 0.9	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6	1.0 2.1 2.4 -1.9 0.3 \$27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7 -1.3	4.4 4.8 3.4 4.9 4.9 4.9 4.9 4.9 5.0 6.9 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May	1.8 2.0 2.0 .1.0 0.6 sonth on same month a \$271 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.5 2.0 2.2 1.9 2.1	1.0 2.1 2.4 -1.9 0.3 \$27K -3.4 -0.9 -0.4 -0.1 0.3 0.5	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7	4.4 4.8 3.4 4.9 4.9 4.9 4.9 4.9 5.0 6.9 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun	1.8 2.8 2.0 0.6 0.6 0.6 0.7 1.7 -1.7 -1.1 -0.3 0.2 0.6 0.7 .8 0.9	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6	1.0 2.1 2.4 -1.9 0.3 \$27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7 -1.3	4. 4.1 3. 4.5 5.27M 4.1 4.1 4.1 4.1 5. 5. 5. 5. 5.
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug	1.8 2.8 2.0 -1.0 0.6 sonth on same month a \$271 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8 0.9 0.9	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7	1.0 2.1 2.4 -1.9 0.3 S27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7 -1.3 -2.9 -3.3	4. 4. 3. 4. 4. 4. 5. 4. 4. 4. 5. 6. 5. 4. 5. 4. 4. 5. 4. 5. 4. 5. 5. 4. 5. 5. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep	1.8 2.8 2.0 0.6 0.10 0.6 0.7 1.7 -1.7 -1.7 -1.1 0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.9 0.7 0.8	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.8	1.0 2.1 2.4 -1.9 0.3 S27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8 0.8 0.8	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7 -1.3 -2.9 -3.3 -5.5	4.4 4.1 3.4 4.1 4.2 4.2 5.27M 4.1 4.2 4.2 5.1 5.5 5.5 4.1 5.5 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct	1.8 2.8 2.0 -1.0 0.6 0.6 0.7 1.1 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.9 0.9 0.7 0.8 0.8	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.8 1.7 1.0 1.8 1.9	1.0 2.1 2.4 -1.9 0.3 \$27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8 0.8 0.5	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.2 -2.3 -0.2 -0.3 3.5 -0.2 -4.7 -1.3 -2.9 -3.3 -5.5 -2.6	4.4 4.8 3.4 4.5 5.27M 4.8 4.5 4.7 4.0 5.0 6.5 5.1 4.9 4.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov	1.8 2.8 2.0 -1.0 0.6 sonth on same month a \$271 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.7 0.8 0.9 0.7 0.8 0.9	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.8 1.9 1.0	1.0 2.1 2.4 -1.9 0.3 \$27K -3.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8 0.8 0.8 0.8 0.8 0.5 0.4	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7 -1.3 -2.9 -3.3 -5.5 -2.6 -2.6	4. 4. 3. 4. 4. 4. 5. 5. 5. 4. 5. 5. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	1.8 2.8 2.0 0.10 0.6 0.7 1.7 -1.7 -1.7 -1.1 0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.9 0.9 0.7 0.8 0.8 0.7 0.8 0.5 0.6	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.8 1.9 2.1 1.6 1.7 1.0 1.8 1.9 2.1 1.6	1.0 2.1 2.4 -1.9 0.3 \$27K -3.4 -0.9 -0.4 -0.1 0.5 0.5 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.4 0.4	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7 -1.3 -2.9 -3.3 -5.5 -2.6 -2.6 -1.0	4.4 4.8 3.4 4.9 4.9 4.9 4.9 4.9 5.0 6.9 5.1 4.9 5.1 5.1 4.9 5.1 5.1 4.9 5.1 5.1 4.9 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan	1.8 2.8 2.0 -1.0 0.6 0.7 1.7 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.8 1.9 1.0 1.8 1.9 1.0 1.1 0.8	1.0 2.1 2.4 -1.9 0.3 \$27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8 0.8 0.5 0.5 0.4 0.4 0.4	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7 -1.3 -2.9 -3.3 -5.5 -2.6 -2.6 -1.0 -0.2	4.4 4.8 3.4 4.5 5.27M 4.1 4.7 4.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb	1.8 2.8 2.0 -1.0 0.6 0.7 1.7 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.5 0.5	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.8 1.9 1.0 1.1 0.8 0.5	1.0 2.1 2.4 -1.9 0.3 S27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.5 0.4 0.4 0.4 0.4 0.4	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7 -1.3 -2.9 -3.3 -5.5 -2.6 -2.6 -2.6 -1.0 -0.2 1.9	4. 4. 3. 4. 4. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan	1.8 2.8 2.0 -1.0 0.6 0.7 1.7 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.8 1.9 1.0 1.8 1.9 1.0 1.1 0.8	1.0 2.1 2.4 -1.9 0.3 \$27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8 0.8 0.5 0.5 0.4 0.4 0.4	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7 -1.3 -2.9 -3.3 -5.5 -2.6 -2.6 -1.0 -0.2	4. 4. 3. 4. 4. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb	1.8 2.8 2.0 -1.0 0.6 0.7 1.7 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.5 0.5	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.8 1.9 1.0 1.1 0.8 0.5	1.0 2.1 2.4 -1.9 0.3 S27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.5 0.4 0.4 0.4 0.4 0.4	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7 -1.3 -2.9 -3.3 -5.5 -2.6 -2.6 -2.6 -1.0 -0.2 1.9	4.4 4.4 3. 4.9 4.9 4.9 4.9 4.9 4.1 4.1 4.1 4.1 5.1 5. 4.1 5. 4.1 5. 5. 4.1 5. 5. 4.1 5. 5. 4.1 5. 5. 4.1 5. 5. 4.1 5. 5. 4.1 5. 5. 4.1 5. 5. 4.1 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Feb Mar Apr	1.8 2.8 2.0 -1.0 0.6 0.7 1.1 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.8 1.9 1.0 1.8 1.9 1.0 1.1 1.8 0.5 1.1 1.3	1.0 2.1 2.4 -1.9 0.3 \$27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8 0.8 0.5 0.7 0.8 0.8 0.5 0.4 0.4 0.4 0.4 0.3 0.2	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7 -1.3 -2.9 -3.3 -5.5 -2.6 -2.6 -2.6 -1.0 -0.2 1.9 -1.6 -0.7	4. 4. 3. 4. 4. 4. 5. 4. 4. 4. 4. 4. 5. 5. 5. 4. 5. 5. 3. 4. 5. 5. 3. 1. 1.
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr Nov Dec 2019 Jan Feb Mar Apr May	1.8 2.8 2.0 -1.0 0.6 sonth on same month a S271 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.5 0.5 0.5 0.5	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.6 1.7 1.0 1.8 1.9 1.0 1.1 0.8 0.5 1.1 1.3 1.2	1.0 2.1 2.4 -1.9 0.3 S27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8 0.8 0.8 0.5 0.4 0.4 0.4 0.4 0.4 0.2 0.2	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 -0.3 -0.2 -4.7 -1.3 -2.9 -3.3 -5.5 -2.6 -2.6 -2.6 -1.0 -0.2 1.9 -1.6 -0.7 3.6	4.4 4.8 3.4 4.9 4.9 5.27M 4.8 4.9 4.9 4.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr Bec Oct Nov Dec 2019 Jan	1.8 2.8 2.0 -1.0 0.6 sonth on same month a \$271 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.5 0.5 0.5 0.5 0.5 0.4 0.5 0.5 0.4	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.8 1.9 2.1 1.6 1.7 1.0 1.8 1.9 2.1 1.6 1.7 1.0 1.8 0.5 1.1 1.3 1.2 1.5	1.0 2.1 2.4 -1.9 0.3 S27K -3.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.4 0.4 0.4 0.4 0.4 0.3 0.2 0.2 0.2	$\begin{array}{c} 6.5\\ 8.3\\ -0.7\\ 2.1\\ -2.0\\\\\\ \end{array}$	4. 4. 3. 4. 4. 4. 5. 5. 4. 5. 5. 4. 5. 5. 4. 5. 5. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr Oct Nov Dec 2019 Jan Feb Mar Apr Jun Jul Jul Jun Jul	1.8 2.8 2.0 0.10 0.6 800000 -1.0 0.6 8271 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.9 0.9 0.9 0.7 0.8 0.5 0.6 0.5 0.5 0.6 0.5 0.5 0.5 0.5 0.6 0.5 0.5 0.5 0.5 0.4 0.4 0.4 0.4	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.8 1.9 2.1 1.6 1.7 1.0 1.8 1.9 1.0 1.1 1.0 1.1 0.5 1.1 1.3 1.2 1.5 0.6	1.0 2.1 2.4 -1.9 0.3 S27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.4 0.4 0.4 0.4 0.4 0.2 0.2 0.2 0.4	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7 -1.3 -2.9 -3.3 -5.5 -2.6 -2.6 -1.0 -0.2 1.9 -1.6 -0.7 3.6 4.8 0.1	4.4 4.4 3. 4.9 4.9 4.9 4.9 4.1 4.1 4.1 4.1 5. 4.9 5. 4.9 4.1 5. 5. 4.9 4.1 5. 5. 3.0 0.9 3.1 1.1 2.2 1.0 1.1
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Aug Sup Oct Nov Dec	1.8 2.8 2.0 -1.0 0.6 onth on same month a S271 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.6 1.7 1.0 1.8 1.9 1.0 1.1 0.8 0.5 1.1 1.3 1.2 1.5 0.6 0.9	1.0 2.1 2.4 -1.9 0.3 S27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8 0.8 0.5 0.7 0.8 0.8 0.5 0.4 0.4 0.4 0.4 0.2 0.2 0.2 0.2 0.2 0.4 0.6	$\begin{array}{c} 6.5\\ 8.3\\ -0.7\\ 2.1\\ -2.0\\\\\\\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	4.4 4.8 3.4 4.9 527M 4.8 4.9 4.9 4.9 5.9 5.9 4.9 5.9 5.9 4.9 5.9 5.9 4.9 5.9 5.9 4.9 5.9 5.9 4.9 5.9 5.9 4.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr Feb Mar Apr Bec 2019 Jan Feb Mar Apr Dec 2019 Jan Feb Mar Apr Sep	1.8 2.8 2.0 -1.0 0.6 sonth on same month a \$271 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.7 0.8 0.9 0.7 0.8 0.9 0.7 0.8 0.9 0.7 0.8 0.5 0.5 0.5 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.5 0.5 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.8 1.9 2.1 1.6 1.7 1.0 1.8 1.9 1.0 1.1 0 1.1 0.8 0.5 1.1 1.3 1.2 1.5 0.6 0.9 0.9 0.9	1.0 2.1 2.4 -1.9 0.3 S27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8 0.8 0.8 0.8 0.8 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	6.5 8.3 -0.7 2.1 -2.0 S27L 4.8 -2.0 -2.3 -0.3 3.5 -0.2 -4.7 -1.3 -2.9 -3.3 -5.5 -2.6 -2.6 -2.6 -1.0 -0.2 1.9 -1.6 -0.7 3.6 -4.8 0.1 -2.0 -2.3 -3.1	4.4 4.5 3.4 4.5 5.27M 4.6 5.1 4.5 5.1 4.5 5.5 5.1 5.1 5.1 5.5 5.1 5.1 5.1 5.5 5.1 5.1
2015 2016 2017 2018 ercentage change, latest m 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Aug Sup Oct Nov Dec	1.8 2.8 2.0 -1.0 0.6 onth on same month a S271 -1.7 -1.1 -0.3 0.2 0.6 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.8 0.9 0.9 0.7 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	3.2 4.1 1.4 1.0 1.6 <b>a year ago</b> S27J 1.8 2.2 1.5 2.0 2.2 1.9 2.1 1.6 1.7 1.0 1.6 1.7 1.0 1.8 1.9 1.0 1.1 0.8 0.5 1.1 1.3 1.2 1.5 0.6 0.9	1.0 2.1 2.4 -1.9 0.3 S27K -3.4 -2.4 -0.9 -0.4 -0.1 0.3 0.5 0.7 0.8 0.8 0.5 0.7 0.8 0.8 0.5 0.4 0.4 0.4 0.4 0.2 0.2 0.2 0.2 0.2 0.4 0.6	$\begin{array}{c} 6.5\\ 8.3\\ -0.7\\ 2.1\\ -2.0\\\\\\\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	4.4 4.5 3.4 4.5 5.27M 4.6 5.1 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added <sup>1,2,3</sup>

seasonally adjusted 2016 = 100

continued		Ind	ustry components (SIC200	07)	
		Buying, selling		Real estate	Professional,
		and renting		activities	scientific and
	Real estate	of own or leased	Imputed	on fee or	technical
	activities	real estate	rent	contract basis	activities
Component	L	68.1-2	68.2lmp	68.3	M
2016 weights	176	48	123	5	95
•					
ercentage change, latest	t month on previous month S22S	S22T	S22U	S22V	S22W
2017 Nov	0.2	0.4	3220	0.5	1.0
Dec	0.2	0.4	0.1	-2.0	0.4
2018 Jan	0.2	0.2	0.1	-2.0	1.5
Feb	0.2	0.3	0.1	0.1	-1.4
Mar	0.1	0.1	0.1	-0.3	0.9
Apr	0.1	0.2	0.1	-2.1	0.9
May	0.1	0.3	0.1	-1.2	-
Jun	-0.1	-0.6	-	3.4	-0.2
Jul	-	0.3		-1.7	1.3
Aug	-0.1	-0.1	-0.1	-	0.1
Sep	-0.1	-	-0.1	-2.0	0.3
Oct	0.2	0.7	-0.1	2.6	0.7
Nov	-0.1	-0.4	-	0.4	0.5
Dec	0.1	0.3	0.1	-0.4	-1.0
2019 Jan	0.1	-0.1	0.1	0.9	-1.2
Feb	0.1	-0.1	0.1	2.4	1.4
Mar	0.1	0.7	-	-3.7	-0.3
Apr	0.1	0.4	-	-1.2	-0.7
May	0.2	0.2	-	3.0	0.1
Jun	-0.2	-0.3	0.1	-5.0	1.6
	-0.2				0.2
Jul		-0.6	0.1	3.4	
Aug	0.1	0.2	0.1	-2.1	-0.1
Sep	0.2	0.1	0.1	3.1	-0.4
Oct	0.3	1.0	0.1	-0.3	1.3
Nov	-	-0.1	0.1	0.1	-0.9
Percentage change, latest	t 3 months on same 3 mont	hs a vear ago			
0 07	S2GW	S2GX	S2GY	S2GZ	S2H2
2017 Nov	-1.6	1.7	-3.2	5.8	4.9
Dec	-1.5	1.9	-3.0	2.5	4.6
2018 Jan	-1.0	1.8	-2.2	0.1	4.7
Feb	-0.4	1.9	-1.2	-1.5	4.6
Mar	0.2	1.9	-0.5	0.3	4.7
Apr	0.5	2.0	-0.1	1.0	5.3
May	0.7	2.0	0.3	-0.5	5.5
Jun	0.7	1.8	0.5	-0.5	5.4
Jul	0.9	1.8	0.7	-3.0	5.0
Aug	0.8	1.4	0.7	-2.5	5.0
Sep	0.8	1.5	0.8	-3.9	4.9
Oct	0.8	1.6	0.7	-3.8	4.9
Nov	0.7	1.5	0.6	-3.6	5.0
Dec	0.6	1.3	0.4	-2.1	4.8
2019 Jan	0.5	1.0	0.4	-1.3	3.2
Feb	0.5	0.8	0.4	0.2	2.8
Mar	0.5	0.8	0.4	-	2.5
Apr	0.5	0.9	0.3	-0.1	2.5
May	0.5	1.2	0.2	0.4	1.6
Jun	0.5	1.3	0.2	-0.7	1.7
Jul	0.5	1.1	0.2	-0.4	2.0
	0.5	1.0	0.4	-0.4	2.0
				-6.6	2.1
Aug					
Aug Sep	0.6	0.8	0.6	0.4	1.4
Aug					1.4 1.3 0.8

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reliect values measured at basic prices, which exclude taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

	Industry components (SIC2007)				
		Buying, selling		Real estate	Professiona
		and renting		activities	scientific and
	Real estate	of own or leased	Imputed	on fee or	technica
	activities	real estate	rent	contract basis	activitie
Component	L	68.1-2	68.2Imp	68.3	Ν
2016 weights	176	48	123	5	9
ercentage change, lates	t 3 months on previous 3	months			
	S2C8	S2C9	S2CA	S2CB	S2C0
2017 Nov	0.1	0.3	-	0.4	1.4
Dec	0.3	0.7	0.2	-0.5	1.
2018 Jan	0.4	0.8	0.3	-1.1	1.
Feb	0.4	0.9	0.3	-1.7	1.
Mar	0.4	0.7	0.3	-1.0	1.
Apr	0.4	0.5	0.4	-1.2	0.
May	0.3	0.5	0.4	-1.9	1.
Jun	0.2	0.3	0.3	-1.9	0.
Jul	0.1	0.1	0.2	-1.1	1.
Aug	-	-0.3	0.1	0.7	1.
Sep	-0.1	-0.1	-0.1	-0.5	1.
Oct	-0.1	0.1	-0.1	-0.5	1.
Nov	-	0.4	-0.2	-0.7	1.
Dec	0.1	0.5	-0.1	1.4	1.
2019 Jan	0.1	0.2	-	1.5	0.
Feb	0.2	0.1	0.1	2.2	-0.
Mar	0.2	0.1	0.2	1.1	-0.
Apr	0.3	0.5	0.2	-	-0.
May	0.3	0.9	0.2	-1.7	-0.
Jun	0.2	0.9	0.1	-2.6	0.
Jul	0.2	0.3	0.2	-1.3	0.
Aug	-	-0.4	0.3	-1.9	1.
Sep	0.1	-0.6	0.3	0.6	1.
Oct	0.3	-	0.4	0.4	0.
Nov	0.5	0.6	0.3	2.6	0.

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

component	Legal	Accounting and auditing	Activities of head offices;	Architectural	Scientific
omponent	Legal		· · · ·		
ompopont	Leyai				
omponent	o otiviiti o o	activities	management	and engineering	research and developmen
	activities 69.1	69.2	consultancy 70	activities 71	developmen 72
016 weights	17	15	17	17	
bio weights	S2LR	S2LS	S2LT	S2LU	S2L\
2014	93.9	94.9	82.4	97.7	85.2
2014		94.9 99.0	89.8	97.8	92.9
	100.6				
2016	100.0	100.0	100.0	100.0	100.0
2017	104.9	106.2	106.6	102.5	106.0
2018	108.2	116.8	108.4	108.8	108.4
2017 Nov	106.4	108.7	111.0	104.7	107.7
Dec	104.5	111.6	109.1	106.9	112.2
2018 Jan	108.0	116.2	107.0	109.3	108.3
Feb	105.5	112.4	106.2	107.6	106.1
Mar	108.6	112.8	105.9	108.3	104.1
Apr	108.7	116.2	107.3	109.5	107.9
May	109.1	115.3	107.5	109.5	106.5
Jun	109.5	113.7	107.6	107.6	105.9
Jul	109.5	116.2	107.4	111.8	108.0
Aug	106.9	118.7	108.1	110.7	109.2
Sep	107.2	120.4	109.5	108.2	111.4
Oct	107.6	123.7	110.8	107.6	109.8
Nov	107.5	119.5	112.2	109.4	113.8
Dec	110.3	116.7	111.2	105.9	110.0
2019 Jan	105.4	115.0	110.5	106.2	113.5
Feb	108.3	116.5	109.7	106.5	123.1
			110.3		
Mar	108.2	118.3		105.2	119.7
Apr	108.0	117.4	109.8	102.2	116.2
May	108.3	120.4	112.1	102.7	112.8
Jun	108.8	121.6	114.2	105.0	119.0
Jul	107.5	123.1	115.0	101.2	120.5
Aug	109.8	123.5	115.2	102.4	117.2
Sep	108.5	122.7	114.6	102.0	119.9
Oct	110.0	125.9	112.9	104.4	126.3
Nov	111.2	124.4	112.6	102.8	115.4
INOV	111.2	124.4	112.0	102.6	115.4
ercentage change, latest ye		0001/	0007	0000	000
0011	S22X	S22Y	S22Z	S232	S233
2014	0.8	2.4	7.1	8.4	3.9
2015	7.2	4.4	8.9	-	9.1
2016	-0.6	1.0	11.4	2.3	7.6
2017	4.9	6.2	6.6	2.5	6.0
2018	3.2	10.0	1.6	6.2	2.3
ercentage change, latest m	onth on same month a y	/ear ago			
0017 Nev	S27N	S27O	S27P	S27Q	S27F
2017 Nov	5.3	8.1	5.6	2.0	8.4
Dec	1.9	17.4	3.4	5.9	6.2
2018 Jan	1.3	12.1	0.4	7.7	-0.1
Feb	3.2	10.0	0.8	5.9	2.5
Mar	4.0	8.3	0.5	6.6	-3.8
Apr	2.4	14.9	1.8	8.2	7.
May	5.5	8.1	2.7	6.8	6.0
Jun	4.3	7.3	3.2	6.7	0.0
Jul	4.8	6.2	2.7	10.5	2.4
	2.1	9.9	2.7	8.6	2.
Aug					
Sep	1.9	13.1	2.1	5.3	3.1
Oct	1.9	16.5	0.1	4.5	3.
Nov	1.0	9.9	1.1	4.5	5.
Dec	5.6	4.5	2.0	-0.9	-2.0
2019 Jan	-2.5	-1.0	3.3	-2.8	4.8
Feb	2.7	3.7	3.3	-1.0	16.0
Mar	-0.4	4.9	4.1	-2.8	15.0
Apr	-0.6	1.0	2.3	-6.7	7.
May	-0.7	4.4	4.3	-6.2	6.0
Jun	-0.6	7.0	6.2	-2.5	12.3
	-1.9	5.9	7.1	-9.5	11.3
Jul					
Jul Aug	2.8	4.0	6.6	-7.5	7.3
Aug					
	2.8 1.2 2.3	4.0 2.0 1.7	6.6 4.7 1.9	-7.5 -5.7 -3.0	7.3 7.6 15.0

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

### **IOSCOMP**

IOS: Index of Services Chained volume indices of gross value added <sup>1,2,3</sup>

seasonally adjusted 2016 = 100

			ndustry components (SIC2	007)	
			Activities of		
		Accounting	head offices;	Architectural	Scientific
	Legal	and auditing	management	and engineering	research and
	activities	activities	consultancy	activities	developmen
Component	69.1	69.2	70	71	72
2016 weights	17	15	17	17	
2010 weights	<u> </u>	IJ	17	11	•
ercentage change, latest m	onth on previous month				
······································	S22X	S22Y	S22Z	S232	S233
2017 Nov	0.8	2.4	0.3	1.7	1.1
Dec	-1.8	2.7	-1.7	2.1	4.2
2018 Jan	3.4	4.0	-1.9	2.3	-3.5
Feb	-2.4		-0.7	-1.5	-2.0
		-3.3			
Mar	3.0	0.4	-0.3	0.6	-1.9
Apr	-	3.0	1.3	1.1	3.6
May	0.4	-0.8	0.1	-	-1.3
Jun	0.4	-1.4	0.1	-1.7	-0.6
Jul	0.1	2.3	-0.2	3.9	2.3
Aug	-2.4	2.2	0.7	-1.0	0.8
Sep	0.3	1.4	1.3	-2.3	2.0
Oct	0.4	2.8	1.2	-0.6	-1.4
Nov	-0.1	-3.4	1.3	1.7	3.6
Dec	2.7	-2.3	-0.9	-3.2	-3.4
2019 Jan	-4.5	-1.5	-0.7	0.2	3.2
Feb	2.8	1.3	-0.7	0.3	8.4
Mar	-0.1	1.6	0.5	-1.2	-2.7
Apr	-0.2	-0.8	-0.4	-2.9	-3.0
	0.2	2.6	2.1	0.5	
May					-2.9
Jun	0.5	1.0	1.9	2.2	5.4
Jul	-1.2	1.2	0.6	-3.6	1.3
Aug	2.2	0.3	0.2	1.2	-2.8
Sep	-1.2	-0.6	-0.5	-0.3	2.3
Oct	1.4	2.6	-1.5	2.3	5.3
Nov	1.0	-1.2	-0.2	-1.6	-8.6
ercentage change, latest 3	monthe on same 3 months	2 V02r 200			
sicentage change, latest 5	S2H3	S2H4	S2H5	S2H6	S2H7
2017 Nov	5.6	7.2	5.4	1.9	6.3
				3.4	
Dec	3.6	10.8	5.1		
					7.2
2018 Jan	2.8	12.4	3.1	5.2	4.7
2018 Jan Feb	2.8 2.1		3.1 1.5		
Feb	2.1	12.4 13.1	1.5	5.2 6.5	4.7
Feb Mar	2.1 2.8	12.4 13.1 10.1	1.5 0.6	5.2 6.5 6.8	4.7 2.9 -0.5
Feb Mar Apr	2.1 2.8 3.2	12.4 13.1 10.1 11.0	1.5 0.6 1.0	5.2 6.5 6.8 6.9	4.7 2.9 -0.5 1.8
Feb Mar Apr May	2.1 2.8 3.2 4.0	12.4 13.1 10.1 11.0 10.4	1.5 0.6 1.0 1.7	5.2 6.5 6.8 6.9 7.2	4.7 2.9 -0.5 1.8 3.0
Feb Mar Apr	2.1 2.8 3.2	12.4 13.1 10.1 11.0	1.5 0.6 1.0	5.2 6.5 6.8 6.9	4.7 2.9 -0.5 1.8 3.0
Feb Mar Apr May	2.1 2.8 3.2 4.0	12.4 13.1 10.1 11.0 10.4	1.5 0.6 1.0 1.7	5.2 6.5 6.8 6.9 7.2	4.7 2.9 -0.5 1.8
Feb Mar Apr May Jun Jul	2.1 2.8 3.2 4.0 4.1 4.9	12.4 13.1 10.1 11.0 10.4 10.0 7.2	1.5 0.6 1.0 1.7 2.5 2.9	5.2 6.5 6.8 6.9 7.2 7.2 8.0	4.7 2.9 -0.5 1.8 3.0 4.6 3.0
Feb Mar Apr May Jun Jul Aug	2.1 2.8 3.2 4.0 4.1 4.9 3.8	12.4 13.1 10.1 11.0 10.4 10.0 7.2 7.8	1.5 0.6 1.0 1.7 2.5 2.9 2.8	5.2 6.5 6.8 6.9 7.2 7.2 8.0 8.6	4.3 2.9 -0.9 1.8 3.0 4.6 3.0 1.9
Feb Mar Apr May Jun Jul Aug Sep	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0	12.4 13.1 10.1 11.0 10.4 10.0 7.2 7.8 9.7	1.5 0.6 1.0 1.7 2.5 2.9 2.8 2.8 2.4	5.2 6.5 6.8 6.9 7.2 7.2 8.0 8.6 8.1	4.7 2.9 -0.9 1.8 3.0 4.6 3.0 3.0 3.0 3.0 3.0
Feb Mar Apr May Jun Jul Aug Sep Oct	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0	12.4 13.1 10.1 10.4 10.0 7.2 7.8 9.7 13.2	1.5 0.6 1.0 1.7 2.5 2.9 2.8 2.4 1.5	5.2 6.5 6.9 7.2 7.2 8.0 8.6 8.1 6.1	4 2.0 -0.0 1.8 3.0 4.0 3.0 1.5 3.0 3.1 3.1 3.1
Feb Mar Apr May Jun Jul Aug Sep	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0 1.6	12.4 13.1 10.1 11.0 10.4 10.0 7.2 7.8 9.7	1.5 0.6 1.0 1.7 2.5 2.9 2.8 2.8 2.4	5.2 6.5 6.8 6.9 7.2 7.2 8.0 8.6 8.1 6.1 4.8	4. 2.9 -0.1 3. 3. 3. 3. 3. 3. 4. 4.
Feb Mar Apr May Jun Jul Aug Sep Oct	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0	12.4 13.1 10.1 10.4 10.0 7.2 7.8 9.7 13.2	1.5 0.6 1.0 1.7 2.5 2.9 2.8 2.4 1.5	5.2 6.5 6.9 7.2 7.2 8.0 8.6 8.1 6.1	4. 2.9 -0.9 1.8 3.0 4.0 3.0 3.0 3.1 3.0 3.1 4.1
Feb Mar Apr Jun Jul Aug Sep Oct Nov Dec	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0 1.6 2.8	12.4 13.1 10.1 11.0 10.4 10.0 7.2 7.8 9.7 13.2 13.1 10.2	1.5 0.6 1.0 1.7 2.5 2.9 2.8 2.4 1.5 1.1 1.1	5.2 6.5 6.8 6.9 7.2 7.2 8.0 8.6 8.1 6.1 4.8 2.7	4. 2.9 -0.3 3.0 4.6 3.0 1.9 3.0 3.1 3.1 3.1 2.1
Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0 1.6 2.8 1.3	12.4 13.1 10.1 11.0 10.4 10.0 7.2 7.8 9.7 13.2 13.1 10.2 4.4	1.5 0.6 1.0 1.7 2.5 2.9 2.8 2.4 1.5 1.1 1.1 2.1	5.2 6.5 6.8 6.9 7.2 7.2 8.0 8.6 8.1 6.1 4.8 2.7 0.2	4. 2.9 -0. 1.8 3.0 4.0 3.0 3.0 3.0 3.0 3.0 3.0 2.2 2.0
Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0 1.6 2.8 1.3 1.9	12.4 13.1 10.1 11.0 10.4 10.0 7.2 7.8 9.7 13.2 13.1 10.2 4.4 2.4	1.5 0.6 1.0 1.7 2.5 2.9 2.8 2.4 1.5 1.1 1.1 2.1 2.8	5.2 6.5 6.8 6.9 7.2 8.0 8.6 8.1 6.1 4.8 2.7 0.2 -1.6	4. 2.9 -0.1 3.0 3.0 3.0 3.0 3.0 3.1 3.0 3.2 2.2 6. 6.
Feb Mar Apr May Jun Aug Sep Oct Nov Dec 2019 Jan Feb Mar	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0 1.6 2.8 1.3 1.9 -0.1	$12.4 \\ 13.1 \\ 10.1 \\ 11.0 \\ 10.4 \\ 10.0 \\ 7.2 \\ 7.8 \\ 9.7 \\ 13.2 \\ 13.1 \\ 10.2 \\ 4.4 \\ 2.4 \\ 2.5 \\ 13.1 \\ 10.2 \\ 13.1 \\ 10.2 \\ 13.1 \\ 10.2 \\ 2.4 \\ 2.5 \\ 10.1 \\ 10.2 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 1$	1.5 0.6 1.0 1.7 2.5 2.9 2.8 2.4 1.5 1.1 1.1 1.1 2.1 2.8 3.5	5.2 6.5 6.8 6.9 7.2 7.2 8.0 8.6 8.1 6.1 4.8 2.7 0.2 -1.6 -2.2	4.: 2.9, -0.1 3.0 3.0 3.1 3.0 3.1 2.1 2.1 2.1 2.1 1.1
Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0 1.6 2.8 1.3 1.9	12.4 13.1 10.1 11.0 10.4 10.0 7.2 7.8 9.7 13.2 13.1 10.2 4.4 2.4	1.5 0.6 1.0 1.7 2.5 2.9 2.8 2.4 1.5 1.1 1.1 2.1 2.8	5.2 6.5 6.8 6.9 7.2 8.0 8.6 8.1 6.1 4.8 2.7 0.2 -1.6	4.: 2.9, -0.1 3.0 3.0 3.1 3.0 3.1 2.1 2.1 2.1 2.1 1.1
Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0 1.6 2.8 1.3 1.9 -0.1	$12.4 \\ 13.1 \\ 10.1 \\ 11.0 \\ 10.4 \\ 10.0 \\ 7.2 \\ 7.8 \\ 9.7 \\ 13.2 \\ 13.1 \\ 10.2 \\ 4.4 \\ 2.4 \\ 2.5 \\ 13.1 \\ 10.2 \\ 13.1 \\ 10.2 \\ 13.1 \\ 10.2 \\ 2.4 \\ 2.5 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 1$	1.5 0.6 1.0 1.7 2.5 2.9 2.8 2.4 1.5 1.1 1.1 1.1 2.1 2.8 3.5	5.2 6.5 6.8 6.9 7.2 7.2 8.0 8.6 8.1 6.1 4.8 2.7 0.2 -1.6 -2.2	4.: 2.9 -0.: 1.8 3.0 4.6 1.9 3.0 3.1 3.1 2.1 2.9 6. 11.8 12.0
Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0 1.6 2.8 1.3 1.9 -0.1 0.5 -0.6	$12.4 \\ 13.1 \\ 10.1 \\ 11.0 \\ 10.4 \\ 10.0 \\ 7.2 \\ 7.8 \\ 9.7 \\ 13.2 \\ 13.1 \\ 10.2 \\ 4.4 \\ 2.4 \\ 2.5 \\ 3.2 \\ 3.4 \\ 3.4$	1.5 0.6 1.0 1.7 2.5 2.9 2.8 2.4 1.5 1.1 1.1 2.1 2.8 3.5 3.2 3.6	5.2 6.5 6.8 6.9 7.2 7.2 8.0 8.6 8.1 6.1 4.8 2.7 0.2 -1.6 -2.2 -3.5 -5.3	4.: 2.9. -0.1 1.1 3.0 1.5 3.0 3.1 3.1 3.1 2.1 2.1 6. 11.1 12.0 9.9
Feb Mar Apr Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0 1.6 2.8 1.3 1.9 -0.1 0.5 -0.6 -0.7	$12.4 \\ 13.1 \\ 10.1 \\ 11.0 \\ 10.4 \\ 10.0 \\ 7.2 \\ 7.8 \\ 9.7 \\ 13.2 \\ 13.1 \\ 10.2 \\ 4.4 \\ 2.4 \\ 2.5 \\ 3.2 \\ 3.4 \\ 4.1 \\ 10.1 \\ 10.2 \\ 4.4 \\ 2.4 \\ 2.5 \\ 3.2 \\ 3.4 \\ 4.1 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 1$	1.5 0.6 1.0 1.7 2.5 2.9 2.8 2.4 1.5 1.1 1.1 2.1 2.8 3.5 3.2 3.6 4.3	5.2 6.5 6.8 6.9 7.2 7.2 8.0 8.6 8.1 6.1 4.8 2.7 0.2 -1.6 -2.2 -3.5 -5.3 -5.2	4.7 2.9 -0.5 1.8 3.0 4.6 3.0 3.0 3.0 2.2 2.6 6.1 11.8 12.8 9.5 8.7
Feb Mar Apr May Jun Jul Aug Sep Oct Dec 2019 Jan Feb Mar Apr May Jun Jul	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0 1.6 2.8 1.3 1.9 -0.1 0.5 -0.6 -0.7 -1.1	$12.4 \\ 13.1 \\ 10.1 \\ 11.0 \\ 10.4 \\ 10.0 \\ 7.2 \\ 7.8 \\ 9.7 \\ 13.2 \\ 13.1 \\ 10.2 \\ 4.4 \\ 2.5 \\ 3.2 \\ 3.4 \\ 4.1 \\ 5.8 \\ 12.4 \\ 10$	1.5 0.6 1.0 1.7 2.5 2.9 2.8 2.4 1.5 1.1 1.1 1.1 2.1 2.8 3.5 3.2 3.6 4.3 5.8	5.2 6.5 6.8 6.9 7.2 7.2 8.0 8.6 8.1 6.1 4.8 2.7 0.2 -1.6 -2.2 -3.5 -5.3 -5.2 -6.1	4.: 2.9 -0.: 1.8 3.0 4.6 3.0 3.1 3.1 2.2 2.8 6 6.1 11.8 12.0 9.9 8.7 8.7 9.9
Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Aug	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0 1.6 2.8 1.3 1.9 -0.1 0.5 -0.6 -0.7 -1.1 0.1	$12.4 \\ 13.1 \\ 10.1 \\ 11.0 \\ 10.4 \\ 10.0 \\ 7.2 \\ 7.8 \\ 9.7 \\ 13.2 \\ 13.1 \\ 10.2 \\ 4.4 \\ 2.4 \\ 2.5 \\ 3.2 \\ 3.4 \\ 4.1 \\ 5.8 \\ 5.6 \\ 5.6 \\ 10.1 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.1 \\ 10.2 \\ 10.1 $	$\begin{array}{c} 1.5\\ 0.6\\ 1.0\\ 1.7\\ 2.5\\ 2.9\\ 2.8\\ 2.4\\ 1.5\\ 1.1\\ 1.1\\ 2.1\\ 2.8\\ 3.5\\ 3.2\\ 3.6\\ 3.2\\ 3.6\\ 4.3\\ 5.8\\ 6.6\end{array}$	5.2 6.5 6.8 6.9 7.2 7.2 8.0 8.6 8.1 6.1 4.8 2.7 0.2 -1.6 -2.2 -3.5 -5.3 -5.2 -6.1 -6.5	4.7 2.6 0.8 3.0 4.6 3.0 1.8 3.0 3.0 4.2 2.2 2.8 6.7 11.8 12.8 6.7 11.8 12.8 8.7 9.9 9.9 9.9 9.9 9.9
Feb Mar Apr May Jun Jul Aug Sep Oct Dec 2019 Jan Feb Mar Apr May Jun Jul	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0 1.6 2.8 1.3 1.9 -0.1 0.5 -0.6 -0.7 -1.1	$12.4 \\ 13.1 \\ 10.1 \\ 11.0 \\ 10.4 \\ 10.0 \\ 7.2 \\ 7.8 \\ 9.7 \\ 13.2 \\ 13.1 \\ 10.2 \\ 4.4 \\ 2.5 \\ 3.2 \\ 3.4 \\ 4.1 \\ 5.8 \\ 12.4 \\ 10$	1.5 0.6 1.0 1.7 2.5 2.9 2.8 2.4 1.5 1.1 1.1 1.1 2.1 2.8 3.5 3.2 3.6 4.3 5.8	5.2 6.5 6.8 6.9 7.2 7.2 8.0 8.6 8.1 6.1 4.8 2.7 0.2 -1.6 -2.2 -3.5 -5.3 -5.2 -6.1	4.: 2.9. -0.1 1.1 3.0 4.0 3.0 3.0 3.0 3.1 3.1 2.1 6. 11.1 12.1 6. 11.1 12.2 6. 9.9 9.9 8.7 9.9 9.1 0.0
Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Aug	2.1 2.8 3.2 4.0 4.1 4.9 3.8 3.0 2.0 1.6 2.8 1.3 1.9 -0.1 0.5 -0.6 -0.7 -1.1 0.1	$12.4 \\ 13.1 \\ 10.1 \\ 11.0 \\ 10.4 \\ 10.0 \\ 7.2 \\ 7.8 \\ 9.7 \\ 13.2 \\ 13.1 \\ 10.2 \\ 4.4 \\ 2.4 \\ 2.5 \\ 3.2 \\ 3.4 \\ 4.1 \\ 5.8 \\ 5.6 \\ 5.6 \\ 10.1 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.1 \\ 10.2 \\ 10.1 \\ 10.1 \\ 10.2 \\ 10.1 $	$\begin{array}{c} 1.5\\ 0.6\\ 1.0\\ 1.7\\ 2.5\\ 2.9\\ 2.8\\ 2.4\\ 1.5\\ 1.1\\ 1.1\\ 2.1\\ 2.8\\ 3.5\\ 3.2\\ 3.6\\ 3.2\\ 3.6\\ 4.3\\ 5.8\\ 6.6\end{array}$	5.2 6.5 6.8 6.9 7.2 7.2 8.0 8.6 8.1 6.1 4.8 2.7 0.2 -1.6 -2.2 -3.5 -5.3 -5.2 -6.1 -6.5	4.: 2.9 -0.: 1.8 3.0 4.6 3.0 3.1 3.1 2.2 2.8 6 6.1 11.8 12.0 9.9 8.7 8.7 9.9

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reliect values measured at basic prices, which exclude taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

			Industry components (SIC20	007)	
			Activities of		
	Legal	Accounting and auditing	head offices; management	Architectural and engineering	Scientific research and
	activities	activities	consultancy	activities	developmen
Component	69.1	69.2	70	71	72
2016 weights	17	15	17	17	9
ercentage change, latest	3 months on previous 3 m	onths			
0 07	S2CD	S2CE	S2CF	S2CG	S2CH
2017 Nov	1.0	-0.6	4.7	2.1	1.3
Dec	0.7	0.8	4.3	2.8	2.3
2018 Jan	1.1	5.0	1.1	4.3	2.
Feb	0.3	5.9	-2.0	4.3	1.0
Mar	1.8	4.5	-3.5	3.4	-2.4
Apr	1.2	1.4	-2.3	1.4	-3.
May	2.6	1.2	-0.5	1.1	-2.
Jun	1.6	1.1	1.0	0.4	0.
Jul	1.7	1.1	0.9	1.1	0.
Aug	-0.1	1.2	0.7	0.9	1.
Sep	-1.1	2.9	0.8	1.3	2.
Oct	-2.0	5.1	1.8	-0.7	3.0
Nov	-1.1	4.3	2.9	-1.5	3.
Dec	0.5	1.3	2.9	-2.4	1.4
2019 Jan	0.5	-3.2	1.7	-1.5	2.
Feb	0.6	-4.2	-0.3	-2.0	3.4
Mar	-1.1	-2.8	-1.1	-1.5	6.8
Apr	0.4	0.3	-1.2	-2.4	6.
May	0.1	2.3	0.2	-2.7	0.
Jun	1.0	2.8	1.7	-2.6	-2.
Jul	-	3.7	3.5	-1.6	-1.9
Aug	0.5	3.4	3.7	-0.5	2.3
Sep	0.2	2.7	2.6	-1.4	2.0
Oct	1.2	1.9	0.4	-	3.
Nov	1.1	1.3	-1.2	0.2	1.4

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

# IOSCOMP IOS: Index of Services Chained volume indice

Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

		Other professional	Industry components (SIC2	Administrative	
	Advertising	scientific and		and support	Renta
	and market	technical	Veterinary	service	and leasing
	research	activities	activities	activities	activitie
omponent	73	74	75	N	7
016 weights	13	6	2	64	1
5	S2LW	S2LX	S2LY	S2LZ	S2M
2014	93.3	102.9	95.5	93.4	89.
2015	97.8	101.6	95.2	98.1	97.
2016	100.0	100.0	100.0	100.0	100.
2017	103.4	100.4	103.6	104.0	101.
2018	111.6	101.8	107.3	108.1	104.
2017 Nov	105.8	98.2	102.9	106.5	103.
Dec	104.7	97.7	102.2	107.3	100.
2018 Jan	108.5	98.7	102.3	107.7	107.
Feb	108.9	99.6	102.3	107.7	107.
Mar	112.6	98.6	103.9	106.4	103.
Apr	108.6	100.1	106.5	107.0	106.
May	110.1	99.4	105.7	107.0	103.
Jun	111.3	102.1	107.3	108.6	105.
Jul	110.3	104.2	108.5	108.4	102.
Aug	111.4	104.7	109.4	108.4	103.
Sep	111.9	104.0	109.7	108.0	103.
Oct	114.2	102.5	110.7	110.0	103.
Nov	115.3	104.9	110.7	110.1	104.
Dec	116.7	102.5	109.8	109.4	105.
2019 Jan	114.6	102.5	111.3	110.5	103.
Feb	114.3	100.1	112.4	111.1	106.
Mar	113.3	100.7	111.2	110.9	106.
Apr	116.0	100.0	112.3	110.2	102.
May	110.9	102.1	112.2	111.1	103.
Jun	112.4	100.1	113.0	110.1	103.
Jul	116.6	100.5	114.1	111.5	107.
Aug	112.3	102.1	113.9	110.0	105.
Sep	112.2	98.5	115.4	109.7	101.
Oct	111.0	101.4	113.9	110.2	105.
Nov	113.8	99.9	115.4	110.2	103.
		00.0	110.4	110.2	107.
ercentage change, latest	year on previous year S234	S235	S236	S237	S23
2014	-1.0	11.4	4.1	8.4	525 4.
2015	4.8	-1.3	-0.3	5.0	9.
2016	2.3	-1.6	5.0	1.9	2.
2017	3.4	0.4	3.6	4.0	1.
2018	7.9	1.4	3.6	3.9	3.
ercentage change, latest	month on same month	a year ago			
	S27S	S27T	S27U	S27V	
2017 Nov	S27S 4.0	S27T -0.1	3.4	5.3	2.
2017 Nov Dec	S27S 4.0 -2.8	S27T -0.1 -1.1	3.4 -0.1	5.3 5.8	2. 1.
2017 Nov Dec 2018 Jan	\$27\$ 4.0 -2.8 8.5	S27T -0.1 -1.1 1.0	3.4 -0.1 -0.1	5.3 5.8 5.1	2. 1. 7.
2017 Nov Dec	S27S 4.0 -2.8	S27T -0.1 -1.1	3.4 -0.1 -0.1 0.6	5.3 5.8 5.1 3.6	2. 1. 7. 4.
2017 Nov Dec 2018 Jan	\$27\$ 4.0 -2.8 8.5	S27T -0.1 -1.1 1.0	3.4 -0.1 -0.1	5.3 5.8 5.1	2. 1. 7. 4.
2017 Nov Dec 2018 Jan Feb Mar	S27S 4.0 -2.8 8.5 8.3	S27T -0.1 -1.1 1.0 -0.5	3.4 -0.1 -0.1 0.6 1.0	5.3 5.8 5.1 3.6 2.7	2. 1. 7. 4. 2.
2017 Nov Dec 2018 Jan Feb Mar Apr	S27S 4.0 -2.8 8.5 8.3 17.5 9.9	S27T -0.1 -1.1 1.0 -0.5 -1.7 -1.2	3.4 -0.1 -0.1 0.6 1.0 7.0	5.3 5.8 5.1 3.6 2.7 6.6	2. 1. 7. 4. 2. 6.
2017 Nov Dec 2018 Jan Feb Mar Apr May	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0	S27T -0.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9	5.3 5.8 5.1 3.6 2.7 6.6 3.6	2. 1. 7. 4. 2. 6. 1.
2017 Nov Dec 2018 Jan Feb Mar Apr May Jun	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2	S27T -0.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4	3.4 -0.1 -0.6 1.0 7.0 2.9 0.7	5.3 5.8 5.1 3.6 2.7 6.6 3.6 4.8	2. 1. 7. 4. 2. 6. 1. 4.
2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1	S27T -0.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8	5.3 5.8 5.1 3.6 2.7 6.6 3.6 4.8 4.4	2. 1. 7. 4. 2. 6. 1. 4. 0.
2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5	S27T -0.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0 4.2	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6	5.3 5.8 5.1 3.6 2.7 6.6 3.6 4.8 4.4 4.0	2. 1. 7. 4. 6. 1. 4. 2. 2. 2.
2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Jul Aug Sep	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1	S27T -0.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0 4.2 2.1	3.4 -0.1 -0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3	5.3 5.8 5.1 3.6 2.7 6.6 3.6 4.8 4.4 4.4 4.0 2.8	2. 1. 7 4. 2 6. 1. 1. 4. 0. 2. 3.
2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun Jul Aug Sep Oct	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1 10.2	S27T -0.1 -1.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0 4.2 2.1 1.7	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3 5.7	5.3 5.8 5.1 3.6 2.7 6.6 3.6 4.8 4.8 4.4 4.0 2.8 4.1	2. 1. 7. 4. 2. 6. 1. 4. 0. 2. 3. 3. -0.
2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1 10.2 9.0	S27T -0.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0 4.2 2.1 1.7 6.8	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3 5.7 7.6	5.3 5.8 5.1 3.6 2.7 6.6 3.6 4.8 4.4 4.0 2.8 4.1 3.4	2. 1. 7 4. 2. 6 1. 4. 0. 2. 3. 3. 0. 0.
2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun Jul Aug Sep Oct	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1 10.2	S27T -0.1 -1.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0 4.2 2.1 1.7	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3 5.7	5.3 5.8 5.1 3.6 2.7 6.6 3.6 4.8 4.8 4.4 4.0 2.8 4.1	2. 1. 7 4. 2. 6 1. 4. 0. 2. 3. 3. 0. 0.
2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1 10.2 9.0 11.4	S27T -0.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0 4.2 2.1 1.7 6.8 4.9	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3 5.7 7.6 7.5	5.3 5.8 5.1 3.6 2.7 6.6 3.6 4.8 4.4 4.0 2.8 4.1 3.4 1.9	2. 1. 7 4. 2. 6 1. 4. 0 2. 3. 0. 0. 0. 0. 0. 2. 3. 3. -0. 0. 2. 3. 3. -3.
2017 Nov Dec 2018 Jan Feb Mar Apr Jun Jul Aug Sep Oct Nov Dec 2019 Jan	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1 10.2 9.0 11.4 5.6	S27T -0.1 -1.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0 4.2 2.1 1.7 6.8 4.9 9 1.5	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3 5.7 7.6 7.5 8.8	5.3 5.8 5.1 3.6 2.7 6.6 3.6 4.8 4.4 4.0 2.8 4.1 3.4 1.9 2.6	2. 1. 7 4. 2. 6 1. 4. 0 2. 3. 0. 0. 0. 0. 0. 2. 3. 3. -0. 0. 2. 3. 3. -3.
2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1 10.2 9.0 11.4 5.6 5.0	S27T -0.1 -1.1 1.0 -0.5 -1.2 -5.1 -0.4 5.0 4.2 2.1 1.7 6.8 4.9 1.5 0.4	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3 5.7 7.6 7.5 8.8 9.0	$\begin{array}{c} 5.3\\ 5.8\\ 5.1\\ 3.6\\ 2.7\\ 6.6\\ 3.6\\ 4.8\\ 4.4\\ 4.0\\ 2.8\\ 4.1\\ 3.4\\ 1.9\\ 2.6\\ 4.9\end{array}$	2. 1. 7. 4. 2. 6. 1. 4. 0. 2. 3. 0. 0. 2. 3. 0. 3. 3. 3.
2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1 10.2 9.0 11.4 5.6 5.0 0.6	S27T -0.1 -1.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0 4.2 2.1 1.7 6.8 8 4.9 1.5 0.4 4.9 1.5 0.4	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3 5.7 7.6 7.5 8.8 9.0 7.1	5.3 5.8 5.1 3.6 2.7 6.6 3.6 4.8 4.4 4.0 2.8 4.1 3.4 1.9 2.6 4.9 4.2	2. 1. 7 4. 2 6. 1. 4. 0. 2 3. -0. 2. 3. -0. 0. 2. -3. 3. 3. 2.
2017 Nov Dec 2018 Jan Feb Mar Apr Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1 10.2 9.0 11.4 5.6 5.0 0.6 6.8	S27T -0.1 -1.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0 4.2 2.1 1.7 6.8 4.9 9 .9 9 .9 0.4 2.2 0.1	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3 5.7 7.6 7.5 8.8 9.0 7.1 5.4	$\begin{array}{c} 5.3\\ 5.8\\ 5.1\\ 3.6\\ 2.7\\ 6.6\\ 3.6\\ 4.8\\ 4.4\\ 4.0\\ 2.8\\ 4.1\\ 3.4\\ 1.9\\ 2.6\\ 4.9\\ 4.2\\ 3.0\end{array}$	2. 1. 7 4 6 6 1. 2 3. 0 2 3. -0. 0 2. 3. 3. 3. 3. 3. 3. 2. 3. 3. 3. 2. 3. 3. 3. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1 10.2 9.0 11.4 5.6 5.0 0.6 6.8 0.8	S27T -0.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 2.1 1.7 6.8 4.9 1.5 0.4 2.2 -0.1 0.4 2.2 -0.1 -1.2 -1.7 6.8 4.9 1.5 0.4 2.2 -0.4 2.2 -0.4 -0.4 -0.4 -0.4 -0.5 -1.7 -1.2 -0.5 -1.7 -1.2 -0.1 -1.2 -0.5 -1.7 -1.2 -0.1 -1.2 -0.5 -1.7 -1.2 -0.1 -1.2 -0.5 -1.7 -1.2 -0.1 -1.2 -0.1 -1.2 -0.5 -1.7 -1.2 -0.1 -0.5 -1.7 -1.2 -0.1 -0.5 -1.7 -1.2 -0.1 -0.5 -0.5 -1.7 -0.1 -0.5 -0.1 -0.5 -0.5 -0.1 -0.5 -0.5 -0.1 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3 5.7 7.6 7.5 8.8 9.0 7.1 5.4 6.2	$\begin{array}{c} 5.3\\ 5.8\\ 5.1\\ 3.6\\ 2.7\\ 6.6\\ 3.6\\ 4.8\\ 4.4\\ 4.0\\ 2.8\\ 4.1\\ 3.4\\ 1.9\\ 2.6\\ 4.9\\ 4.2\\ 3.0\\ 3.8\end{array}$	2. 1. 7. 4. 2. 6. 1. 4. 0. 2. 3. 0. 0. 2. 3. 3. 3. 2. 3. 3. 0. 0.
2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1 10.2 9.0 11.4 5.6 5.0 0.6 6.8 0.8 1.0	S27T -0.1 -1.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0 4.2 2.1 1.7 6.8 4.9 1.5 0.4 4.9 1.5 0.1 2.2 -0.1 2.2 -0.1 2.6	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3 5.7 7.6 7.5 8.8 9.0 7.1 5.4 6.2 5.3	$\begin{array}{c} 5.3\\ 5.8\\ 5.1\\ 3.6\\ 2.7\\ 6.6\\ 3.6\\ 4.8\\ 4.4\\ 4.0\\ 2.8\\ 4.1\\ 3.4\\ 1.9\\ 2.6\\ 4.9\\ 4.2\\ 3.0\\ 3.8\\ 1.3\end{array}$	2. 1. 7 4. 2. 6 6 1. 4. 2. 3. 3. -0. 0 2. 3. 3. 2. -3. 3. 2. -3. 3. 2. -2.
2017 Nov Dec 2018 Jan Feb Mar Apr Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1 10.2 9.0 11.4 5.6 5.0 0.6 6.8 0.8 1.0 5.7	S27T -0.1 -1.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0 4.2 2.1 1.7 6.8 4.9 1.5 0.4 2.2 2.1 1.7 6.8 4.9 1.5 0.4 2.2 -0.1 2.6 -1.9 -3.6	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3 5.7 7.6 7.5 8.8 9.0 7.1 5.4 6.2 5.3 5.1	$\begin{array}{c} 5.3\\ 5.8\\ 5.1\\ 3.6\\ 2.7\\ 6.6\\ 3.6\\ 4.8\\ 4.4\\ 4.0\\ 2.8\\ 4.1\\ 3.4\\ 1.9\\ 2.6\\ 4.9\\ 4.2\\ 3.0\\ 3.8\\ 1.3\\ 2.9\end{array}$	2. 1. 7. 4. 2. 6. 1. 1. 4. 0. 2. 3. 0. 0. 2. 3. 3. 2. -3. 3. 2. -3. 5. 5.
2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1 10.2 9.0 11.4 5.6 5.0 0.6 6.8 0.8 1.0 5.7 0.8	S27T -0.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0 4.2 2.1 1.7 6.8 4.9 1.5 0.4 2.2 0.4 2.2 -0.1 2.6 -1.9 -3.6 -1.9 -3.6 -2.5	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3 5.7 7.6 7.5 8.8 9.0 7.1 5.4 6.2 5.3 5.1 4.1	$\begin{array}{c} 5.3\\ 5.8\\ 5.1\\ 3.6\\ 2.7\\ 6.6\\ 3.6\\ 4.8\\ 4.4\\ 4.0\\ 2.8\\ 4.1\\ 3.4\\ 1.9\\ 2.6\\ 4.9\\ 4.2\\ 3.0\\ 3.8\\ 1.3\\ 2.9\\ 1.5\end{array}$	2. 1. 7. 4. 2. 6. 1. 4. 0. 2. 3. 0. 0. 2. 3. 3. 2. 3. 3. 2. 3. 0. 2. 3. 1.
2017 Nov Dec 2018 Jan Feb Mar Apr Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1 10.2 9.0 11.4 5.6 5.0 0.6 6.8 0.8 1.0 5.7	S27T -0.1 -1.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0 4.2 2.1 1.7 6.8 4.9 1.5 0.4 2.2 2.1 1.7 6.8 4.9 1.5 0.4 2.2 -0.1 2.6 -1.9 -3.6	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3 5.7 7.6 7.5 8.8 9.0 7.1 5.4 6.2 5.3 5.1	$\begin{array}{c} 5.3\\ 5.8\\ 5.1\\ 3.6\\ 2.7\\ 6.6\\ 3.6\\ 4.8\\ 4.4\\ 4.0\\ 2.8\\ 4.1\\ 3.4\\ 1.9\\ 2.6\\ 4.9\\ 4.2\\ 3.0\\ 3.8\\ 1.3\\ 2.9\end{array}$	S27V 2. 1. 7. 4. 2. 6. 1. 4. 0. 2. 3. 0. 0. 2. 3. 3. 2. 3. 3. 0. 2. 5. 1. 2. 5. 2. 5. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
2017 Nov Dec 2018 Jan Feb Mar Apr May Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jul Jul Aug Jul Aug	S27S 4.0 -2.8 8.5 8.3 17.5 9.9 7.0 6.2 5.1 3.5 0.1 10.2 9.0 11.4 5.6 5.0 0.6 6.8 0.8 1.0 5.7 0.8	S27T -0.1 -1.1 1.0 -0.5 -1.7 -1.2 -5.1 -0.4 5.0 4.2 2.1 1.7 6.8 4.9 1.5 0.4 2.2 0.4 2.2 -0.1 2.6 -1.9 -3.6 -1.9 -3.6 -2.5	3.4 -0.1 -0.1 0.6 1.0 7.0 2.9 0.7 3.8 2.6 4.3 5.7 7.6 7.5 8.8 9.0 7.1 5.4 6.2 5.3 5.1 4.1	$\begin{array}{c} 5.3\\ 5.8\\ 5.1\\ 3.6\\ 2.7\\ 6.6\\ 3.6\\ 4.8\\ 4.4\\ 4.0\\ 2.8\\ 4.1\\ 3.4\\ 1.9\\ 2.6\\ 4.9\\ 4.2\\ 3.0\\ 3.8\\ 1.3\\ 2.9\\ 1.5\end{array}$	2. 1. 7. 4. 2. 6. 1. 4. 0. 2. 3. 0. 0. 2. 3. 3. 2. 3. 3. 2. 3. 0. 2. 3. 1.

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices relief values measured at basic prices, which exclude taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>.

## **IOSCOMP**

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

		Inc	dustry components (SIC2007)	)	
	C	ther professional		Administrative	
	Advertising	scientific and		and support	Renta
	and market	technical	Veterinary	service	and leasing
	research	activities	activities	activities	activities
Common on t	73	74	75	N	77
Component 2016 weights	13	6	2	64	14
2016 weights	13	0	2	04	14
ercentage change, lates	t month on previous month				
	S234	S235	S236	S237	S238
2017 Nov	2.1	-2.6	-1.7	0.8	
Dec	-1.0	-0.5	-0.7	0.8	-0.5
2018 Jan	3.6	1.0	0.2	0.3	4.9
Feb	0.3	1.0	0.8	-1.7	-4.5
Mar	3.4	-1.1	0.7	0.5	0.8
Apr	-3.5	1.5	2.5	0.6	2.6
May	1.3	-0.6	-0.7	-	-3.3
Jun	1.1	2.6	1.5	1.5	2.2
Jul	-0.9	2.1	1.1	-0.2	-2.4
Aug	1.0	0.5	0.9	-	1.2
Sep	0.4	-0.7	0.3	-0.3	
Oct	2.1	-1.4	0.9	1.8	-0.9
Nov	1.0 2.3 -	-	0.1	1.2	
Dec	1.2	-2.3	-0.7	-0.7	1.0
2019 Jan	-1.8	-2.3	1.4	1.1	-0.9
Feb	-0.2	-0.1	1.0	0.6	2.0
	-0.2 -0.9				-0.2
Mar		0.6	-1.0	-0.2	
Apr	2.4	-0.7	1.0	-0.6	-3.3
May	-4.4	2.0	-0.1	0.8	1.1
Jun	1.4	-1.9	0.6	-0.9	-0.6
Jul	3.7	0.4	1.0	1.3	4.7
Aug	-3.7	1.6	-0.1	-1.4	-2.1
Sep	-0.1	-3.5	1.3	-0.3	-4.0
Oct	-1.0	2.9	-1.4	0.5	4.1
Nov	2.6	-1.4	-1.4	0.5	4.1
1404	2.0	-1.4	1.5		1.7
ercentage change, lates	t 3 months on same 3 months a		00114	00110	00110
	S2H8	S2H9	S2HA	S2HB	S2HC
2017 Nov	5.6	1.6	4.8	4.6	-0.4
Dec	0.7	0.3	3.3	5.4	0.9
2018 Jan	3.1	-0.1	1.0	5.4	3.5
Feb	4.5	-0.2	0.1	4.8	4.3
Mar	11.3	-0.4	0.5	3.8	4.8
Apr	11.8	-1.1	2.8	4.3	4.6
May	11.4	-2.7	3.6	4.3	3.6
	7.7	-2.7	3.5	4.3	4.2
Jun					
Jul	6.1	-0.3	2.5	4.3	2.1
Aug	4.9	2.9	2.3	4.4	2.3
Sep	2.9	3.7	3.5	3.7	1.8
Oct	4.5	2.7	4.2	3.6	1.6
Nov	6.3	3.5	5.8	3.4	1.1
Dec	10.2	4.4	6.9	3.1	1.0
2019 Jan	8.7	4.4	7.9	2.6	
Feb	7.3	2.3	8.4	3.1	0.1
Mar	3.7	1.4	8.3	3.9	0.7
Apr	4.1	0.8	7.1	4.0	0.6
May	2.7	1.6	6.2	3.7	-0.3
Jun	2.8	0.2	5.6	2.7	-1.5
Jul	2.5	-1.0	5.5	2.7	1.2
Aug	2.5	-2.7	4.8	1.9	1.6
Sep	2.2	-3.8	4.8	2.0	1.5
Oct	-0.6	-3.0	4.0	2.0	0.7
Nov	-0.6 -1.3	-3.0	4.1	0.6	1.2

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reflect values measured at basic prices, which exclude 'taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added <sup>1,2,3</sup>

seasonally adjusted 2016 = 100

			dustry components (SIC2007)		
		Other professional		Administrative	
	Advertising	scientific and		and support	Renta
	and market	technical	Veterinary	service	and leasing
	research	activities	activities	activities	activities
Component	73	74	75	Ν	77
2016 weights	13	6	2	64	14
ercentage change, latest	t 3 months on previous 3 r	nonths			
0 0 /	S2CI	S2CJ	S2CK	S2CL	S2CM
2017 Nov	1.2	-0.5	-1.6	1.8	0.8
Dec	-3.2	-1.6	-2.1	2.1	1.4
2018 Jan	-1.2	-2.8	-2.9	2.1	2.6
Feb	0.3	-1.6	-1.6	1.2	2.0
Mar	5.0	-	-0.1	0.2	1.7
Apr	3.5	1.2	2.0	-0.7	-0.2
May	2.8	0.7	2.8	-0.1	-0.1
Jun	-	1.6	3.3	0.8	0.1
Jul	0.5	2.5	2.5	1.4	-0.7
Aug	0.5	4.3	2.9	1.5	-0.5
Sep	1.1	3.8	2.5	0.6	-1.3
Oct	1.7	1.8	2.6	0.7	
Nov	2.5	0.1	1.8	0.9	-0.3
Dec	3.8	-1.0	1.1	1.5	0.6
2019 Jan	2.7	-1.2	0.6	1.1	0.9
Feb	1.2	-2.8	0.8	0.9	1.5
Mar	-1.2	-2.9	1.2	0.9	1.4
Apr	-0.9	-2.2	1.2	0.7	0.4
May	-1.6	-	0.7	0.4	-1.1
Jun	-0.8	0.4	0.8	-0.4	-2.3
Jul	-1.1	0.6	1.0	0.1	-0.1
Aug	0.3	-	1.5	-0.2	1.4
Sep	0.5	-0.4	1.7	-0.1	1.8
Oct	-1.3	-0.2	1.2	-0.9	-0.6
Nov	-1.3	-0.9	1.1	-0.5	-0.7

1 Indices reflect values measured at basic prices, which exclude "taxes less a indices reliect values integrated at basic prices, which exclude taxes less subsidies on products<sup>a</sup>.
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 A complete run of data is available on the ONS website as a

Time series dataset

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

	Industry components (SIC2007)						
			• • •	Services to	Office administrative		
		Travel agencies	Security and	buildings and	office support and		
	Employment	and tour	investigation	landscape	other business		
	activities	operators	activities	activities	support activities		
omponent	78	79	80	81	82		
16 weights	18	7	2	7	15		
-	S2M3	S2M4	S2M5	S2M6	S2M7		
2014	95.3	88.4	95.6	99.7	94.7		
2015	98.2	93.7	96.3	101.2	99.7		
2016	100.0	100.0	100.0	100.0	100.0		
2017	103.7	107.2	100.9	100.8	100.0		
2017	103.7	98.6	100.9	100.8	113.7		
2010	111.0	30.0	103.0	100.0	110.7		
2017 Nov	106.7	108.4	102.9	101.1	111.3		
Dec	108.4	105.7	99.8	101.2	114.8		
2018 Jan	106.8	103.4	102.9	102.9	113.6		
Feb	106.6	98.4	105.4	104.8	111.9		
Mar	106.2	100.9	106.5	103.8	113.0		
Apr	106.6	100.9	109.3	100.9	113.4		
May	109.2	98.5	108.4	103.9	113.3		
	112.6	101.6					
Jun			109.6	104.4	112.0		
Jul	111.3	98.8	111.8	106.0	115.1		
Aug	110.9	96.7	110.0	105.5	116.0		
Sep	112.7	95.3	111.8	105.0	113.0		
Oct	118.4	96.2	109.7	104.2	115.4		
Nov	118.9	97.5	109.9	103.8	113.9		
Dec	117.4	95.4	112.3	101.1	113.4		
2019 Jan	119.3	97.8	115.4	102.3	114.		
Feb	120.5	94.3	115.3	102.1	115.3		
Mar	120.9	92.3	113.2	104.5	114.7		
Apr	121.1	94.0	113.7	106.1	113.1		
May	120.4	93.6	114.2	104.1	117.6		
	119.0		113.3				
Jun		92.0		102.2	117.3		
Jul	119.8	92.5	112.5	105.8	116.2		
Aug	117.7	94.4	110.0	104.2	114.6		
Sep	119.1	92.1	111.8	104.3	116.3		
Oct	117.1	93.0	111.2	106.6	115.5		
Nov	117.8	89.8	111.2	106.0	114.9		
ercentage change, latest							
			S23B		S23D		
	S239	S23A	3230	S23C	0201		
2014	13.2	523A 5.6	-4.0	S23C 9.1			
	13.2	5.6	-4.0	9.1	8.4		
2015	13.2 3.0	5.6 6.0	-4.0 0.8	9.1 1.5	8.4 5.3		
2015 2016	13.2 3.0 1.8	5.6 6.0 6.7	-4.0 0.8 3.8	9.1 1.5 -1.1	8.4 5.0 0.0		
2015 2016 2017	13.2 3.0 1.8 3.7	5.6 6.0 6.7 7.2	-4.0 0.8 3.8 0.9	9.1 1.5 -1.1 0.8	8. 5. 0.3 7.2		
2015 2016	13.2 3.0 1.8	5.6 6.0 6.7	-4.0 0.8 3.8	9.1 1.5 -1.1	8. 5. 0.3 7.2		
2015 2016 2017 2018	13.2 3.0 1.8 3.7 7.5 month on same month a	5.6 6.0 6.7 7.2 -7.9 • year ago	-4.0 0.8 3.8 0.9 8.0	9.1 1.5 -1.1 0.8 3.0	8. 5. 0. 7. 6.		
2015 2016 2017 2018 ercentage change, latest	13.2 3.0 1.8 3.7 7.5 month on same month a S27X	5.6 6.0 6.7 7.2 -7.9 • year ago	-4.0 0.8 3.8 0.9 8.0 S27Z	9.1 1.5 -1.1 0.8 3.0 S282	8. 5. 0. 7. 6. S28		
2015 2016 2017 2018 ercentage change, latest 2017 Nov	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1	5.6 6.0 6.7 7.2 -7.9 • year ago \$27Y 2.3	-4.0 0.8 3.8 0.9 8.0 S27Z 3.0	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8	8. 5.3 0.7 7.2 6.0 S28: 14.1		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5	5.6 6.0 6.7 7.2 -7.9 • year ago S27Y 2.3 -3.4	-4.0 0.8 3.8 0.9 8.0 S27Z 3.0 1.7	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8	8 5.3 7 6.0 528:5 14.0 16.0		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan	13.2 3.0 1.8 3.7 7.5 month on same month a \$27X 5.1 7.5 3.4	5.6 6.0 6.7 7.2 -7.9 <b>x year ago</b> S27Y 2.3 -3.4 -8.3	-4.0 0.8 3.8 0.9 8.0 S27Z 3.0 1.7 2.6	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7	8. 5. 0. 7. 6. 528: 14. 16. 12.		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5	5.6 6.0 6.7 7.2 -7.9 • year ago S27Y 2.3 -3.4	-4.0 0.8 3.8 0.9 8.0 S27Z 3.0 1.7	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8	8. 5. 0. 7. 6. 528: 14. 16. 12.		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan	13.2 3.0 1.8 3.7 7.5 month on same month a \$27X 5.1 7.5 3.4	5.6 6.0 6.7 7.2 -7.9 <b>x year ago</b> S27Y 2.3 -3.4 -8.3	-4.0 0.8 3.8 0.9 8.0 S27Z 3.0 1.7 2.6	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7	8. 5. 0. 7 6. 528 14. 16. 12. 9.		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar	13.2 3.0 1.8 3.7 7.5 month on same month a \$27X 5.1 7.5 3.4 3.1 2.4	5.6 6.0 6.7 7.2 -7.9 9 year ago 8 year ago 2.3 -3.4 -8.3 -8.3 -8.3 -6.2	-4.0 0.8 3.8 0.9 8.0 \$27Z 3.0 1.7 2.6 3.8 2.7	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7 2.6 2.6	8. 5. 0. 7. 6. 14. 16. 12. 9. 7.		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr	13.2 3.0 1.8 3.7 7.5 month on same month a \$27X 5.1 7.5 3.4 3.1 2.4 9.3	5.6 6.0 6.7 7.2 -7.9 xyear ago S27Y 2.3 -3.4 -8.3 -8.3 -8.3 -6.2 -0.6	-4.0 0.8 3.8 0.9 8.0 \$27Z 3.0 1.7 2.6 3.8 2.7 7.3	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7 2.6 2.6 2.6 0.8	8. 5. 0. 7. 6. 14. 16. 12. 9. 7. 9. 7.		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May	13.2 3.0 1.8 3.7 7.5 month on same month a \$27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5	5.6 6.0 6.7 7.2 -7.9 • year ago S27Y 2.3 -3.4 -8.3 -8.3 -8.3 -6.2 -0.6 -7.5	-4.0 0.8 3.8 0.9 8.0 \$277Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7 2.6 2.6 0.8 5.7 2.6 2.6 0.8 1.3	8. 5. 0. 7. 6. 828 14. 16. 12. 9. 7. 9. 9. 7. 9. 6.		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6	5.6 6.0 6.7 7.2 -7.9 9 year ago 827Y 2.3 -3.4 -8.3 -8.3 -8.3 -6.2 -0.6 -7.5 -5.9	-4.0 0.8 3.8 0.9 8.0 \$27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7 2.6 2.6 2.6 0.8 1.3 3.3	8. 5. 0. 7. 6. 528 14. 16. 12. 9. 7. 9. 6. 4.		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4	5.6 6.0 6.7 7.2 -7.9 xyear ago S27Y 2.3 -3.4 -8.3 -8.3 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8	-4.0 0.8 3.8 0.9 8.0 \$27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 7.3 8.7 10.0 14.2	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7 2.6 2.6 2.6 2.6 1.3 3.3 3.3	8. 5. 0. 7. 6.0 14. 15. 12. 9. 9. 7. 9. 6. 4.		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun	13.2 3.0 1.8 3.7 7.5 month on same month a \$27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1	5.6 6.0 6.7 7.2 -7.9 S27Y 2.3 -3.4 -8.3 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7	-4.0 0.8 3.8 0.9 8.0 \$277 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7 2.6 2.6 2.6 2.6 2.6 3.3 3.3 7.1 4.8	8 5.3 0.3 7.1 6.0 528: 14.1 16.6 12.2 9.9 7.1 9.3 6. 4.1 7.2 7.1		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4	5.6 6.0 6.7 7.2 -7.9 xyear ago S27Y 2.3 -3.4 -8.3 -8.3 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8	-4.0 0.8 3.8 0.9 8.0 \$27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 7.3 8.7 10.0 14.2	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7 2.6 2.6 2.6 2.6 1.3 3.3 3.3	8 5.3 0.3 7.1 6.0 528: 14.1 16.6 12.2 9.9 7.1 9.3 6. 4.1 7.2 7.1		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3	5.6 6.0 6.7 7.2 -7.9 • year ago S27Y 2.3 -3.4 -8.3 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -12.1	-4.0 0.8 3.8 0.9 8.0 \$277Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4 9.7	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7 2.6 2.6 0.8 3.3 3.3 7.1 4.8 3.0	8. 5. 0. 7. 6. 528 14. 16. 12. 9. 9. 9. 9. 4. 4. 7. 2.		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1	5.6 6.0 6.7 7.2 -7.9 xyear ago S27Y 2.3 -3.4 -8.3 -3.4 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -12.1 -9.7	-4.0 0.8 3.8 0.9 8.0 \$27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4 9.7 9.0	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7 2.6 2.6 2.6 2.6 2.6 3.3 3.3 3.3 7.1 4.8 3.0	8. 5. 0. 7. 6.0 14. 16. 12. 9. 9. 9. 6. 4. 7. 7. 2. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.		
2015 2016 2017 2018 Prcentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jun Aug Sep Oct Nov	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1 11.4	5.6 6.0 6.7 7.2 -7.9 S27Y 2.3 -3.4 -8.3 -8.3 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -12.1 -9.7 -10.1	-4.0 0.8 3.8 0.9 8.0 \$27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4 9.7 9.0 6.9	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7 2.6 2.6 2.6 2.6 2.6 2.6 3.3 3.3 7.1 4.8 3.0 2.6 6 2.6 2.7	8. 5. 0. 7. 6. 528: 14. 16. 12. 9. 7. 7. 6. 4. 4. 7. 7. 2. 4. 12. 9. 7. 12. 9. 12. 9. 12. 9. 14. 12. 9. 12. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1 11.4 8.3	5.6 6.0 6.7 7.2 -7.9 <b>x year ago</b> S27Y 2.3 -3.4 -8.3 -8.3 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -12.1 -9.7 -10.1 -9.7	-4.0 0.8 3.8 0.9 8.0 \$2772 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4 9.7 9.0 6.9 12.5	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7 2.6 2.6 2.6 2.6 2.6 2.6 3.3 7.1 4.8 3.0 2.6 2.7 7.1	8. 5. 0. 7. 6. 528 14. 16. 12. 9. 9. 9. 9. 6. 4. 7. 7. 4. 2. 4. 2.		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1 11.4 8.3 11.7	5.6 6.0 6.7 7.2 -7.9 <b>x year ago</b> S27Y 2.3 -3.4 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -12.1 -9.7 -10.1 -9.7 -5.4	-4.0 0.8 3.8 0.9 8.0 \$27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4 9.7 9.0 6.9 12.5 12.2	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7 2.6 2.6 2.6 2.6 0.8 1.3 3.3 7.1 4.8 3.0 0.2.6 2.7 -0.1 -0.6	8 5.3 0.3 7 6.0 14.0 16.5 12.9 9.0 9.0 9.0 6 7.1 7.0 2.0 2.1 2.1 2.1 1.1 1.1		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1 11.4 8.3 11.7 13.0	5.6 6.0 6.7 7.2 -7.9 S27Y 2.3 -3.4 -8.3 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -10.1 -9.7 -10.1 -9.7 -10.1 -9.7 -5.4 -4.2	-4.0 0.8 3.8 0.9 8.0 \$27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4 9.7 9.0 6.9 12.5 12.2 9.4	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6	8. 5. 0.1 7.1 6.0 528: 14.1 16.5 12.3 9.0 7.1 6. 6. 7.1 7.1 2. 4.1 7.1 2. 4.1 1.0 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1 11.4 8.3 11.7	5.6 6.0 6.7 7.2 -7.9 <b>x year ago</b> S27Y 2.3 -3.4 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -12.1 -9.7 -10.1 -9.7 -5.4	-4.0 0.8 3.8 0.9 8.0 \$27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4 9.7 9.0 6.9 12.5 12.2	9.1 1.5 -1.1 0.8 3.0 \$282 -2.8 -0.8 5.7 2.6 2.6 2.6 2.6 0.8 1.3 3.3 7.1 4.8 3.0 0.2.6 2.7 -0.1 -0.6	8. 5. 0.1 7.1 6.0 528: 14.1 16.5 12.3 9.0 7.1 6. 6. 7.1 7.1 2. 4.1 7.1 2. 4.1 1.0 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1 11.4 8.3 11.7 13.0 13.8	5.6 6.0 6.7 7.2 -7.9 <b>xyear ago</b> <b>S27Y</b> 2.3 -3.4 -8.3 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -12.1 -9.7 -12.1 -9.7 -10.1 -9.7 -5.4 -4.2 -8.5	-4.0 0.8 3.8 0.9 8.0 S27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4 9.7 9.0 6.9 12.5 12.2 9.4 6.3	9.1 1.5 -1.1 0.8 3.0 S282 -2.8 -0.8 5.7 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.8 -0.8 1.3 3.3 7.1 4.8 3.0 2.6 2.7 -0.1 -0.6 -2.7 -0.1 -0.6 -2.7 -0.1 -0.6 -2.7 -0.1 -0.6 -2.6 -2.7 -0.1 -0.6 -2.6 -2.8 -0.1 -0.6 -0.5 -0	8 5.3 0.3 7.2 6.0 528 14.1 16.5 9.0 7.3 9.0 7.3 6. 4.1 7.4 7.4 2.2 4.1 2.3 -1.3 3.4 1.1 1.1 1.1 1.1 1.1		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr	13.2 3.0 1.8 3.7 7.5 month on same month a S27x 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1 11.4 8.3 12.1 11.4 8.3 11.7 13.0 13.8 13.5	5.6 6.0 6.7 7.2 -7.9 x year ago S27Y 2.3 -3.4 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -12.1 -9.7 -10.1 -9.7 -5.4 -4.2 -8.5 -6.8	-4.0 0.8 3.8 0.9 8.0 \$27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4 9.7 9.0 6.9 12.5 12.2 9.4 6.3 4.0	9.1 1.5 -1.1 0.8 3.0 S282 -2.8 -0.8 5.7 2.6 0.8 1.3 3.3 7.1 4.8 3.0 2.6 2.7 -0.1 -0.6 -2.6 0.6 5.7	8 5.3 0.3 7.4 6.0 14.0 16.0 12.9 9.0 9.0 9.0 6. 4.1 7.4 7.4 7.4 2.2 4.1 2.2 1.1 3.3 1.1 1.1 3.4 1.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr Eeb Mar Apr May	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1 11.4 8.3 12.1 11.4 8.3 11.7 13.0 13.8 13.5 10.2	5.6 6.0 6.7 7.2 -7.9 S27Y 2.3 -3.4 -8.3 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -10.1 -9.7 -10.1 -9.7 -10.1 -9.7 -5.4 -4.2 -8.5 -6.8 -5.0	-4.0 0.8 3.8 0.9 8.0 S27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4 9.7 9.0 6.9 12.5 12.2 9.4 6.3 4.0 5.4	$\begin{array}{c} 9.1\\ 1.5\\ -1.1\\ 0.8\\ 3.0\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	8. 5.3 0.3 7.4 6.0 14.1 16.5 12.5 9.0 7.4 4.1 7.4 2.5 7.4 2.5 1.1 3.5 3.1 3.1 3.1 3.3		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr Feb Mar Apr Sep Oct Nov	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1 11.4 8.3 11.7 13.0 13.8 13.5 10.2 5.7	5.6 6.0 6.7 7.2 -7.9 S27Y 2.3 -3.4 -8.3 -8.3 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -12.1 -9.7 -12.1 -9.7 -12.1 -9.7 -10.1 -9.7 -5.4 -4.2 -8.5 -6.8 -5.0 -9.4	$\begin{array}{c} -4.0\\ 0.8\\ 3.8\\ 0.9\\ 8.0\\ \end{array}$	9.1 1.5 -1.1 0.8 3.0 S282 -2.8 -0.8 5.7 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6	8. 5. 0. 7. 6. 528: 14. 16. 12. 9. 7. 7. 6. 4. 4. 7. 7. 2. 4. 1. 2. 4. 1. 3. 3. 3. 4. 4. 3. 4. 4. 3. 4. 4. 4. 4. 3. 3. 4. 4. 4. 4. 4. 4. 4. 528: 528: 528: 528: 528: 528: 528: 528:		
2015 2016 2017 2018 ercentage change, latest 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Jul Jul Jul Jul Jun Jul Jun Jul Jun Jul Jun Jun Jul Jun Jun Jun Jun Jun Jun Jun Jun Jun Jun	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1 11.4 8.3 11.7 13.0 13.8 13.5 10.2 5.7 7.6	5.6 6.0 6.7 7.2 -7.9 8 year ago 827Y 2.3 -3.4 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -12.1 -9.7 -10.1 -9.7 -5.4 -4.2 -8.5 -6.8 -6.8 -6.8 -6.5 -6.8 -6.8 -6.5 -6.8 -6.4 -6.4	-4.0 0.8 3.8 0.9 8.0 S27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4 9.7 9.0 6.9 12.5 12.2 9.4 6.3 4.0 5.4 3.3 0.6	9.1 1.5 -1.1 0.8 3.0 S282 -2.8 -0.8 5.7 2.6 0.8 1.3 3.3 7.1 4.8 3.0 2.6 2.7 -0.1 -0.6 -2.6 0.6 5.1 0.2 -2.1 -2.1	8. 5. 0. 7. 6. 528 14. 16. 12. 9. 9. 9. 9. 9. 6. 4. 7. 7. 2. 4. 1. 2. 4. 1. 3. 3. 3. 4. 1. 3. 3. 4. 1. 3. 3. 4. 1. 3. 3. 4. 1. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr Feb Mar Apr Sep Oct Nov	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1 11.4 8.3 12.1 11.4 8.3 12.1 11.4 8.3 12.1 11.7 13.0 13.8 13.5 10.2 5.7 7.6 6.2	5.6 6.0 6.7 7.2 -7.9 S27Y 2.3 -3.4 -8.3 -8.3 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -12.1 -9.7 -12.1 -9.7 -12.1 -9.7 -10.1 -9.7 -5.4 -4.2 -8.5 -6.8 -5.0 -9.4	$\begin{array}{c} -4.0\\ 0.8\\ 3.8\\ 0.9\\ 8.0\\ \end{array}$	9.1 1.5 -1.1 0.8 3.0 S282 -2.8 -0.8 5.7 2.6 2.6 2.6 0.8 1.3 3.3 7.1 4.8 3.0 2.6 2.7 -0.1 -0.6 -2.6 0.6 5.7 -2.6 0.8 1.3 3.3 3.1 -0.8 -0.6 -0.1 -0.1 -0.2 -0.2 -0.1 -0.2 -0.2 -0.1 -0.2 -0.2 -0.2 -0.2 -0.1 -0.2	8. 5. 0. 7. 6. 528: 14. 16. 12. 9. 12. 9. 9. 6. 7. 7. 7. 7. 2. 4. 4. 2. 2. 4. 1. 3. 3. 1. 3. 3. 4. 0. 3. 4. 0. 3. 4. 0. 3. 4. 0. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr Apr May Jun Jul Aug Jun Jul Aug	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1 11.4 8.3 11.7 13.0 13.8 13.5 10.2 5.7 7.6	5.6 6.0 6.7 7.2 -7.9 8 year ago 827Y 2.3 -3.4 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -12.1 -9.7 -10.1 -9.7 -5.4 -4.2 -8.5 -6.8 -6.8 -6.8 -6.5 -6.8 -6.8 -6.5 -6.8 -6.4 -6.4	-4.0 0.8 3.8 0.9 8.0 S27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4 9.7 9.0 6.9 12.5 12.2 9.4 6.3 4.0 5.4 3.3 0.6	9.1 1.5 -1.1 0.8 3.0 S282 -2.8 -0.8 5.7 2.6 0.8 1.3 3.3 7.1 4.8 3.0 2.6 2.7 -0.1 -0.6 -2.6 0.6 5.1 0.2 -2.1 -2.1	844 5.3 0.3 7.2 6.0 14.0 10.5 9.0 7.5 9.0 7.5 9.0 7.5 2.4 4.6 7.3 7.6 7.5 2.4 4.5 2.4 4.5 1.5 1.5 1.5 3.4 3.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr Peb Mar Apr Sep Oct Nov Dec 2019 Jan Feb Mar Apr Nov Dec 2019 Jan Sep	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1 11.4 8.3 11.7 13.0 13.8 13.5 10.2 5.7 7.6 6.2 5.7	5.6 6.0 6.7 7.2 -7.9 S27Y 2.3 -3.4 -8.3 -8.3 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -12.1 -9.7 -10.1 -9.7 -10.1 -9.7 -5.4 -4.2 -8.5 -6.8 -9.7 -5.4 -4.2 -8.5 -6.8 -9.4 -6.4 -2.4 -3.4	-4.0 0.8 3.8 0.9 8.0 S27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4 9.7 9.0 6.9 12.5 12.2 9.4 6.3 4.0 5.4 3.3 0.6 0.1	9.1 1.5 -1.1 0.8 3.0 S282 -2.8 -0.8 5.7 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6	8.4 5.3 0.3 7.2 6.0 14.0 16.5 12.5 9.6 7.5 7.5 7.5 2.4 4.6 2.4 4.6 2.4 4.6 2.4 4.6 2.4 3.4 3.4 1.5 3.4 3.4 1.5 3.4 1.5 0.5 3.6 0.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1		
2015 2016 2017 2018 ercentage change, latest 2017 Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr Apr May Jun Jul Aug Jun Jul Aug	13.2 3.0 1.8 3.7 7.5 month on same month a S27X 5.1 7.5 3.4 3.1 2.4 9.3 7.5 9.6 7.4 7.1 8.3 12.1 11.4 8.3 12.1 11.4 8.3 12.1 11.7 13.0 13.8 13.5 10.2 5.7 7.6 6.2	5.6 6.0 6.7 7.2 -7.9 xyear ago S27Y 2.3 -3.4 -8.3 -8.3 -8.3 -6.2 -0.6 -7.5 -5.9 -6.8 -9.7 -12.1 -9.7 -10.1 -9.7 -10.1 -9.7 -5.4 -4.2 -8.5 -6.8 -5.0 -9.4 -6.4 -2.4	-4.0 0.8 3.8 0.9 8.0 S27Z 3.0 1.7 2.6 3.8 2.7 7.3 8.7 10.0 14.2 8.4 9.7 9.0 6.9 12.5 12.2 9.4 6.3 4.0 5.4 3.3 0.6 0.1	9.1 1.5 -1.1 0.8 3.0 S282 -2.8 -0.8 5.7 2.6 2.6 2.6 0.8 1.3 3.3 7.1 4.8 3.0 2.6 2.7 -0.1 -0.6 -2.6 0.6 5.7 -2.6 0.8 1.3 3.3 3.1 -0.8 -0.6 -0.1 -0.1 -0.2 -0.2 -0.1 -0.2 -0.2 -0.1 -0.2 -0.2 -0.2 -0.2 -0.1 -0.2	8. 5. 0. 7. 6. 528 14. 16. 12. 9. 7. 9. 7. 9. 6. 4. 7. 7. 2. 4. 2. 4. 2. -1. 1. 3. 1. 1. 3. 4. 0. 3. 4. 2. 2. 4. 2. 2. 4. 2. 2. 4. 2. 2. 4. 2. 2. 4. 2. 2. 2. 2. 4. 2. 2. 2. 4. 2. 2. 2. 2. 4. 2. 2. 4. 4. 5. 2. 5. 2. 5. 2. 5. 2. 5. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.		

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a Time series dataset

# IOSCOMP

IOS: Index of Services Chained volume indices of gross value added <sup>1,2,3</sup>

seasonally adjusted 2016 = 100

	Industry components (SIC2007) Services to Office admir							
	Employment	Travel agencies and tour	Security and investigation	buildings and landscape	Office administrative, office support and other business			
Component	activities	operators	activities	activities	support activities			
Component 2016 weights	78 18	79 7	80 2	81 7	82			
2010 weights	18	1	2	1	13			
ercentage change, lates	t month on previous month S239	S23A	S23B	S23C	S23D			
2017 Nov	1.0	525A 1.7	2.1	-0.5	5230			
Dec	1.6	-2.5	-2.9	-0.5	3.1			
2018 Jan	-1.5	-2.1	3.1	1.7	-1.1			
Feb	-0.2	-4.8	2.4	1.9	-1.5			
Mar	-0.4	2.5	1.1	-0.9	1.0			
Apr	0.4	0.1	2.6	-2.8	0.3			
May	2.4	-2.4	-0.8	3.0	-0.1			
Jun	3.1	3.1	1.2	0.4	-1.1			
Jul	-1.1	-2.7	2.0	1.5	2.8			
Aug	-0.4	-2.1	-1.6	-0.5	0.8			
Sep	1.7	-1.5	1.6	-0.4	-2.6			
Oct	5.1	1.0	-1.8	-0.8	2.1			
Nov	0.4	1.3	0.2	-0.4	-1.4			
Dec	-1.3	-2.1	2.1	-2.6	-0.4			
2019 Jan	1.6	2.5	2.8	1.2	1.2			
Feb	1.0	-3.6	-0.1	-0.2	0.9			
Mar	0.3	-2.1	-1.8	2.3	-0.9			
Apr	0.2	1.9	0.4	1.5	-1.4			
May	-0.6	-0.5	0.5	-1.8	4.0			
Jun	-1.1	-1.7	-0.8	-1.9	-0.2			
Jul	0.7	0.5	-0.7	3.5	-1.0			
Aug	-1.8	2.1	-2.2	-1.5	-1.4			
Sep	1.2	-2.5	1.6	0.1	1.5			
Oct	-1.6	1.0	-0.6	2.2	-0.6			
Nov	0.5	-3.4	-	-0.5	-0.6			
ercentage change, lates	st 3 months on same 3 month	s a year ago						
	S2HD	S2HE	S2HF	S2HG	S2HH			
2017 Nov	5.2	4.8	0.8	-0.9	11.5			
Dec	6.4	1.1	0.9	-0.8	14.2			
2018 Jan	5.3	-3.2	2.5	0.6	14.4			
Feb	4.7	-6.7	2.7	2.5	12.9			
Mar	3.0	-7.6	3.0	3.6	9.8			
Apr	4.8	-5.1	4.6	2.0	8.8			
Мау	6.3	-4.8	6.2	1.6	7.8			
Jun	8.8	-4.8	8.7	1.8	6.9			
Jul	8.1	-6.8	11.0	3.9	6.2			
Aug	8.0	-7.5	10.8	5.1	6.5			
Sep	7.6	-9.6	10.7	5.0	5.7			
Oct	9.2	-10.5	9.0	3.5	4.9			
Nov	10.6	-10.6	8.5	2.8	3.1			
Dec	10.6	-9.8	9.4	1.7	1.9			
2019 Jan	10.4	-8.4	10.5	0.7	0.6			
Feb	10.9	-6.5	11.3	-1.1	1.0			
Mar	12.8	-6.0	9.3	-0.8	2.0			
Apr	13.4	-6.5	6.5	1.0	1.6			
May	12.5	-6.8	5.2	1.9	1.7			
Jun	9.7	-7.1	4.2	1.0	2.8			
Jul	7.8	-7.0	3.1	-0.7	3.1			
Aug	6.5	-6.1	1.3	-1.2	1.4			
Sep	6.5	-4.1	0.2	-0.7	0.8			
Oct	3.5	-3.0	0.5	0.1	0.5			
Nov	1.1	-4.9	0.8	1.2	1.3			

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reliect values measured at basic prices, which exclude taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

			Industry components (SIC200		
				Services to (	Office administrative
		Travel agencies	Security and	buildings and	office support and
	Employment	and tour	investigation	landscape	other busines
	activities	operators	activities	activities	support activities
Component	78	79	80	81	8
2016 weights	18	7	2	7	1
ercentage change, lates	t 3 months on previous 3 r	nonths			
	S2CN	S2CO	S2CP	S2CQ	S2CF
2017 Nov	2.1	0.7	2.1	1.3	3.0
Dec	3.0	-0.3	0.7	0.8	3.
2018 Jan	2.8	-1.4	0.5	0.3	3.
Feb	1.7	-4.9	0.9	1.4	2.
Mar	-0.4	-5.6	3.8	2.5	0.
Apr	-0.8	-5.4	5.1	1.5	-0.
May	0.1	-2.3	5.2	-	-0.
Jun	2.8	-0.6	4.0	-0.7	0.
Jul	4.3	-0.4	2.7	1.5	0.
Aug	4.0	-1.1	2.2	2.3	1.
Sep	2.0	-3.4	1.9	2.3	1.
Oct	2.7	-3.6	0.5	0.1	1.
Nov	4.6	-2.7	-	-0.9	-0.
Dec	5.9	-0.6	-0.5	-2.4	-0.
2019 Jan	4.0	0.9	1.9	-2.4	-0.
Feb	2.0	-0.5	3.5	-2.4	0.
Mar	1.7	-1.6	3.6	-	0.
Apr	1.9	-3.5	1.3	1.8	0.
May	1.5	-2.7	-0.6	3.0	0.
Jun	-	-1.7	-0.8	1.1	0.
Jul	-0.9	-0.9	-0.7	-0.2	2.
Aug	-1.6	-0.4	-1.6	-0.8	0.
Sep	-1.1	-0.2	-2.0	0.6	-0.
Oct	-1.5	0.5	-2.0	0.9	-1.
Nov	-0.7	-1.4	-0.5	1.5	-0.

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

# IOSCOMP IOS: Index of Services Chained volume indice

Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

ntinued					
	Public admin	Ir Public admin	ndustry components (SIC20	07)	
	and defence;	and defence;			Human health
	compulsory	compulsory			and social work
	social security	social security	Education	Education	activities
Component	0	84	Р	85	C
016 weights	61	61 S2M9	72 S2MA	72 S2MB	94 S2M0
2014	S2M8 104.5	104.5	99.7	99.7	96.8
2015	102.0	102.0	100.8	100.8	98.4
2016	100.0	100.0	100.0	100.0	100.0
2017	100.8	100.8	101.2	101.2	101.0
2018	101.6	101.6	101.9	101.9	101.5
2017 Nov	101.0	101.0	101.0	101.0	100.6
Dec	101.0	101.0	101.0	101.0	101.0
2018 Jan	100.9	100.9	101.0	101.0	101.2
Feb	100.8	100.8	101.1	101.1	101.0
Mar	100.8	100.8	101.3	101.3	101.0
Apr	100.9	100.9	101.5	101.5	101.1
May	101.2	101.2	101.7	101.7	101.
Jun Jul	101.7 102.1	101.7 102.1	101.8 101.8	101.8 101.8	101. 101.
Aug	102.1	102.1	101.9	101.9	101.
Sep	102.3	102.3	102.1	102.1	101.
Oct	102.1	102.1	102.4	102.4	101.9
Nov	102.1	102.1	102.7	102.7	102.0
Dec	102.5	102.5	103.1	103.1	102.3
2019 Jan	103.0	103.0	103.4	103.4	102.3
Feb	103.4	103.4	103.8	103.8	102.3
Mar	103.6	103.6	104.2	104.2	102.3
Apr	103.6	103.6	104.5	104.5	102.
May	103.6	103.6	104.7	104.7	102.7
Jun	103.5	103.5	104.5	104.5	103.0
Jul	103.6	103.6	104.4	104.4	103.0
Aug	103.6	103.6	104.6	104.6	103.0
Sep Oct	103.6 103.6	103.6 103.6	104.8 104.8	104.8 104.8	103.
Nov	103.6	103.6	104.8	104.8	103.9 104.0
Percentage change, latest	vear on previous vear				
	S23E	S23F	S23G	S23H	S23
2014	-3.2 -2.4	-3.2 -2.4	0.1	0.1	1.1
2015 2016	-2.4 -1.9	-2.4 -1.9	1.1 -0.8	1.1 -0.8	1.6
2017	-1.9	-1.9	-0.8	-0.8	1.0
2018	0.8	0.9	0.7	0.7	0.4
Percentage change, latest	month on same month	a vear ago			
	S284	S285	S286	S287	S28
2017 Nov	1.0	1.0	0.8	0.8	0.2
Dec 2018 Jan	1.1 0.6	1.1 0.6	0.5 -0.4	0.5 -0.4	0.9 0.4
Feb	0.6	0.8	-0.4 -0.5	-0.4	0.3
Mar	0.4	0.4	-0.5	-0.5	0.
Apr	-0.2	-0.2	0.2	0.2	-0.1
	0.2	0.2	0.5	0.5	-0.4
May	-	-			
May Jun	- 0.6	0.6	0.6	0.6	-0.3
May Jun Jul	0.6 1.4	0.6 1.4	0.6 0.8	0.6 0.8	
Jun					0.
Jun Jul	1.4	1.4	0.8	0.8	0. 0.4
Jun Jul Aug Sep Oct	1.4 1.7 1.6 1.3	1.4 1.7 1.6 1.3	0.8 0.8 0.9 1.4	0.8 0.8 0.9 1.4	0. 0. 0. 1.
Jun Jul Aug Sep Oct Nov	1.4 1.7 1.6 1.3 1.1	1.4 1.7 1.6 1.3 1.1	0.8 0.8 0.9 1.4 1.7	0.8 0.8 0.9 1.4 1.7	0. 0. 1. 1.
Jun Jul Aug Sep Oct Nov Dec	1.4 1.7 1.6 1.3 1.1 1.4	1.4 1.7 1.6 1.3 1.1 1.4	0.8 0.8 0.9 1.4 1.7 2.0	0.8 0.8 0.9 1.4 1.7 2.0	0. 0. 0. 1. 1. 1.
Jun Jul Aug Sep Oct Nov Dec 2019 Jan	1.4 1.7 1.6 1.3 1.1 1.4 2.1	1.4 1.7 1.6 1.3 1.1 1.4 2.1	0.8 0.9 1.4 1.7 2.0 2.4	0.8 0.9 1.4 1.7 2.0 2.4	0. 0. 1. 1. 1. 1.
Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb	1.4 1.7 1.6 1.3 1.1 1.4 2.1 2.6	1.4 1.7 1.6 1.3 1.1 1.4 2.1 2.6	0.8 0.8 0.9 1.4 1.7 2.0 2.4 2.6	0.8 0.9 1.4 1.7 2.0 2.4 2.6	0. 0. 1. 1. 1. 1. 1. 1. 1.
Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar	1.4 1.7 1.6 1.3 1.1 1.4 2.1 2.6 2.8	1.4 1.7 1.6 1.3 1.1 1.4 2.1 2.6 2.8	0.8 0.9 1.4 1.7 2.0 2.4 2.6 2.9	0.8 0.8 0.9 1.4 1.7 2.0 2.4 2.6 2.9	0. 0. 1.1 1. 1. 1. 1. 1. 1. 1.
Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr	1.4 1.7 1.6 1.3 1.1 1.4 2.1 2.6 2.8 2.7	1.4 1.7 1.6 1.3 1.1 1.4 2.1 2.6 2.8 2.7	0.8 0.9 1.4 1.7 2.0 2.4 2.6 2.9 3.0	0.8 0.9 1.4 1.7 2.0 2.4 2.6 2.9 3.0	0. 0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May	1.4 1.7 1.6 1.3 1.1 2.6 2.8 2.7 2.3	1.4 1.7 1.6 1.3 1.1 1.4 2.1 2.6 2.8 2.7 2.3	0.8 0.8 0.9 1.4 1.7 2.0 2.4 2.6 2.9 3.0 2.9	0.8 0.9 1.4 1.7 2.0 2.4 2.6 2.9 3.0 2.9	0. 0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun	1.4 1.7 1.6 1.3 1.1 1.4 2.1 2.6 2.8 2.7 2.3 1.8	1.4 1.7 1.6 1.3 1.1 1.4 2.1 2.6 2.8 2.7 2.3 1.8	0.8 0.9 1.4 1.7 2.0 2.4 2.6 2.9 3.0 2.9 2.7	0.8 0.9 1.4 1.7 2.0 2.4 2.6 2.9 3.0 2.9 3.0 2.9 2.7	0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jun	1.4 1.7 1.6 1.3 1.1 2.6 2.8 2.7 2.3 1.8 1.4	1.4 1.7 1.6 1.3 1.1 1.4 2.1 2.6 2.8 2.7 2.3 1.8 1.4	0.8 0.9 1.4 1.7 2.0 2.4 2.6 2.9 3.0 2.9 3.0 2.9 2.7 2.5	0.8 0.9 1.4 1.7 2.0 2.4 2.6 2.9 3.0 2.9 3.0 2.9 2.7 2.5	0. 0. 0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 2.
Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jul Aug	1.4 1.7 1.6 1.3 1.1 2.6 2.8 2.7 2.3 1.8 1.4 1.2	1.4 1.7 1.6 1.3 1.1 1.4 2.1 2.6 2.8 2.7 2.3 1.8 1.4 1.4 1.2	0.8 0.8 0.9 1.4 1.7 2.0 2.4 2.6 2.9 3.0 2.9 2.7 2.5 2.6	0.8 0.9 1.4 1.7 2.0 2.4 2.6 2.9 3.0 2.9 2.7 2.5 2.6	0. 0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 2.
Jun Jul Aug Sep Oct Nov Dec 2019 Jan Feb Mar Apr May Jun Jun	1.4 1.7 1.6 1.3 1.1 2.6 2.8 2.7 2.3 1.8 1.4	1.4 1.7 1.6 1.3 1.1 1.4 2.1 2.6 2.8 2.7 2.3 1.8 1.4	0.8 0.9 1.4 1.7 2.0 2.4 2.6 2.9 3.0 2.9 3.0 2.9 2.7 2.5	0.8 0.9 1.4 1.7 2.0 2.4 2.6 2.9 3.0 2.9 3.0 2.9 2.7 2.5	-0.3 0. 0. 0. 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>.

IOS: Index of Services Chained volume indices of gross value added <sup>1,2,3</sup>

seasonally adjusted 2016 = 100

continued						
	Public admin	Public admin	Industry components (SIC2007	)		
	and defence;	and defence;			Human health	
	compulsory	compulsory			and social work	
	social security	social security	Education	Education	activities	
Component	O	84	P	85	Q	
2016 weights	61	61	72	72	94	
_0.0		•			•••	
Percentage change, lates	at month on previous month					
	S23E	S23F	S23G	S23H	S23I	
2017 Nov	0.2	0.2	-	-	0.3	
Dec	-	-	-	-	0.4	
2018 Jan	-0.1	-0.1	-	-	0.2	
Feb	-0.1	-0.1	0.1	0.1	-	
Mar	-	-	0.2	0.2	-	
Apr	0.1	0.1	0.2	0.2	-0.1	
May	0.3	0.3	0.2	0.2	-	
Jun	0.4	0.4	0.1	0.1	-	
Jul	0.4	0.4	0.1	0.1	-	
Aug	0.2	0.2	0.1	0.1	0.2	
Sep	-0.1	-0.1	0.2	0.2	0.3	
Oct	-0.2	-0.2	0.3	0.3	0.2	
Nov	-	-	0.3	0.3	0.1	
Dec	0.3	0.3	0.3	0.3	0.1	
2019 Jan	0.5	0.5	0.3	0.3	0.1	
Feb	0.4	0.4	0.4	0.4	0.1	
Mar	0.2	0.2	0.4	0.4	0.1	
Apr	-	-	0.3	0.3	0.1	
May	-0.1	-0.1	0.1	0.1	0.2	
Jun	-	-	-0.1	-0.1	0.4	
Jul	-	-	-0.2	-0.2	0.2	
Aug	-	-	0.2	0.2	0.3	
Sep	-	-	0.2	0.2	0.2	
Oct	-	-	-	-	0.1	
Nov	-	-	0.4	0.4	0.1	
ercentage change, lates	at 3 months on same 3 montl S2HI	ns a year ago S2HJ	S2HK	S2HL	S2HM	
2017 Nov	1.1	1.1	1.4	1.4	0.4	
Dec	1.1	1.1	0.9	0.9	0.3	
2018 Jan	0.9	0.9	0.3	0.3	0.3	
Feb	0.3	0.5	-0.1	-0.1	0.4	
Mar	0.4	0.4	-0.1	-0.1	0.4	
Apr	0.4	0.4	-0.4	-0.4	0.3	
May	0.2	0.2	-0.2	-0.2	-0.2	
Jun	0.2	0.2	0.2	0.2	-0.2	
Jul	0.2	0.2	0.4	0.4	-0.3	
	1.2	0.7	0.6	0.8	-0.2	
Aug	1.2	1.2	0.7	0.7	0.1	
Sep	1.6	1.6	1.0		0.4	
Oct				1.0		
Nov Dec	1.3 1.3	1.3 1.3	1.3 1.7	1.3 1.7	1.3 1.4	
2019 Jan	1.3	1.3	2.1	2.1	1.4	
Feb	2.0	2.0	2.4	2.4	1.1	
Mar	2.5	2.5	2.6	2.6	1.0	
Apr	2.7	2.7	2.8	2.8	1.1	
May	2.6	2.6	2.9	2.9	1.3	
Jun	2.3	2.3	2.9	2.9	1.5	
Jul	1.9	1.9	2.7	2.7	1.8	
Aug	1.5	1.5	2.6	2.6	2.0	
Sep	1.3	1.3	2.6	2.6	2.1	
Oct	1.3 1.4	1.3 1.4	2.5 2.4	2.5 2.4	2.0 2.0	
Nov						

1 Indices reflect values measured at basic prices, which exclude "taxes less

a indices reliect values integrated at basic prices, which exclude taxes less subsidies on products".
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 A complete run of data is available on the ONS website as a

Sources: For further information on these data please telephone 01633 456387; fax 01633 455300 or e-mail ios.enquiries@ons.gov.uk

Time series dataset

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

		In	dustry components (SIC2007)		
	Public admin	Public admin			
	and defence;	and defence;			Human health
	compulsory	compulsory			and social work
	social security	social security	Education	Education	activities
Component	Ô	84	Р	85	Ç
2016 weights	61	61	72	72	94
ercentage change, late	st 3 months on previous 3 r	nonths			
• • •	S2CS	S2CT	S2CU	S2CV	S2CW
2017 Nov	-	-	-	-	-0.5
Dec	0.2	0.2	-0.2	-0.2	-0.4
2018 Jan	0.2	0.2	-0.2	-0.2	0.2
Feb	0.1	0.1	-0.1	-0.1	0.5
Mar	-0.1	-0.1	0.1	0.1	0.6
Apr	-0.1	-0.1	0.3	0.3	0.3
May	0.1	0.1	0.5	0.5	
Jun	0.4	0.4	0.6	0.6	-0.1
Jul	0.8	0.8	0.5	0.5	
Aug	1.1	1.1	0.3	0.3	0.1
Sep	1.0	1.0	0.3	0.3	0.3
Oct	0.6	0.6	0.4	0.4	0.5
Nov	0.1	0.1	0.6	0.6	0.6
Dec	-	-	0.8	0.8	0.5
2019 Jan	0.3	0.3	0.9	0.9	0.4
Feb	0.8	0.8	0.9	0.9	0.3
Mar	1.1	1.1	1.0	1.0	0.2
Apr	1.0	1.0	1.1	1.1	0.2
May	0.6	0.6	1.0	1.0	0.3
Jun	0.2	0.2	0.8	0.8	0.4
Jul	-	-	0.3	0.3	0.6
Aug	-0.1	-0.1	-	-	0.8
Sep	-	-	-	-	0.8
Oct	-	-	0.2	0.2	0.8
Nov	-	-	0.4	0.4	0.6

1 Indices reflect values measured at basic prices, which exclude "taxes less Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

#### IOS: Index of Services Chained volume indices of gross value added $^{\rm 1,2,3}$

seasonally adjusted 2016 = 100

continued	Industry components (SIC2007)				
			Social work	Arts,	Creative arts
	Human health	Residential care	activities without	entertainment	and entertainment
	activities	activities	accommodation	and recreation	activities
Component	86	87	88	R	90
2016 weights	64 S2MD	13 S2ME	17 S2MF	20 S2MG	5 S2MH
2014	95.4	100.6	99.7	100.9	91.1
2014	97.3	100.7	101.2	100.5	99.0
2016	100.0	100.0	100.0	100.0	100.0
2017	101.0	100.4	101.6	103.2	109.0
2018	101.8	100.9	100.6	104.6	109.2
2017 Nov	100.7	99.4	101.4	103.3	108.0
Dec	101.0	99.2	102.3	104.3	108.3
2018 Jan	101.3	99.2	102.5	103.8	108.2
Feb	101.4	99.2	102.3	103.0	108.7
Mar	101.6	99.5	101.3	103.9	110.0
Apr	101.8	99.8	100.1	104.6	110.6
May	101.8	100.3	99.3	104.7	106.5
Jun	101.7	100.9	99.3	104.7	108.7
Jul	101.6	101.4	99.8	103.4	111.6
Aug	101.6	101.8	100.5	103.9	110.1
Sep	102.0	101.9	100.8	104.9	106.8
Oct	102.2 102.4	101.9	100.8	106.4	110.7
Nov Dec	102.4	102.1 102.6	100.5 99.9	105.6 106.8	108.7 110.0
2019 Jan	102.8	102.0	99.4	105.9	109.1
Feb	102.8	103.7	99.3	105.7	110.3
Mar	102.7	103.9	99.7	106.3	110.7
Apr	102.7	103.8	100.4	104.7	109.3
May	102.9	103.7	101.0	103.9	111.4
Jun	103.3	103.9	101.2	106.5	111.8
Jul	103.6	104.2	101.1	105.2	112.8
Aug	104.1	104.6	101.0	107.3	112.9
Sep	104.3	105.0	101.1	104.2	108.2
Oct	104.3	105.3	101.3	103.7	107.8
Nov	104.3	105.6	101.5	104.8	109.7
Percentage change, la	test year on previous year				
	S23J	S23K	S23L	S23M	S23N
2014	2.7	-0.3	-0.8	3.8	-3.3
2015	2.0	0.1	1.5	0.8	8.7
2016	2.8	-0.7	-1.2	-1.6	1.1
2017	1.0	0.4	1.6	3.2	9.0
2018	0.8	0.5	-0.9	1.4	0.2
Percentage change, la	test month on same mont				
2017 Nov	S289	S28A -1.3	S28B 2.0	S28C 3.7	S28D 7.6
Dec	0.4	-1.6	2.0	3.1	-3.6
2018 Jan	0.4	-2.1	2.3	0.7	-3.2
Feb	0.4	-1.8	1.5	0.6	4.6
Mar	0.5	-1.3	-0.2	-	1.8
Apr	0.5	-0.9	-2.4	0.3	1.0
May	0.4	-0.4	-3.4	1.5	-2.8
Jun	0.4	0.3	-3.2	2.9	-1.8
Jul	0.4	0.9	-1.8	1.2	2.5
Aug	0.5	1.3	-0.7	0.9	-0.4
Sep	0.8	1.6	-0.1	2.1	-1.7
Oct	1.9	2.2	-	2.4	1.1
Nov	1.8	2.7	-0.9	2.2	0.6
Dec	1.6	3.4	-2.3	2.4	1.6
2019 Jan	1.4	4.1	-3.1	2.1	0.8
Feb	1.4	4.5	-3.0	2.6	1.5
Mar	1.1	4.4	-1.6	2.4	0.6
Apr May	0.9 1.1	4.0 3.4	0.3 1.7	0.1	-1.2 4.6
May Jun	1.1	3.4 3.0	1.7	-0.8 1.7	4.6 2.8
Jul	2.0	2.8	1.3	1.8	1.1
Aug	2.0	2.8	0.6	3.2	2.6
Sep	2.4	3.1	0.3	-0.7	1.3
Oct	2.0	3.4	0.5	-2.5	-2.7
Nov	1.8	3.4	1.0	-0.7	1.0
	-				-

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices relief values measured at basic prices, which exclude taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added <sup>1,2,3</sup>

seasonally adjusted 2016 = 100

		Industry components (SIC2007)					
	Human health	Residential care	Social work activities without	Arts, entertainment	Creative arts and entertainment		
	activities	activities	accommodation	and recreation	activities		
Component	86	87	88	R	90		
2016 weights	64	13	17	20	5		
ercentage change, late	st month on previous month						
0047 No.	S23J	S23K	S23L	S23M	S23N		
2017 Nov	0.3	-0.3	0.6	-0.6	-1.4		
Dec	0.3	-0.2	0.9	0.9	0.3		
2018 Jan	0.3	-0.1	0.3	-0.5	-0.1		
Feb	0.1	0.1	-0.3	-0.7	0.5		
Mar	0.2	0.2	-0.9	0.8	1.2		
Apr	0.1	0.4	-1.2	0.7	0.5		
May	-	0.5	-0.8	0.1	-3.7		
Jun	-0.1	0.6		-	2.1		
Jul	-0.2	0.5	0.6	-1.2	2.6		
Aug	0.1	0.4	0.6	0.5	-1.3		
Sep	0.3	0.1	0.3	0.9	-3.0		
Oct	0.2	-	-	1.4	3.7		
Nov	0.2	0.2	-0.3	-0.7	-1.9		
Dec	0.2	0.5	-0.6	1.1	1.2		
2019 Jan	0.1	0.6	-0.5	-0.9	-0.8		
Feb	-	0.5	-0.1	-0.1	1.1		
Mar	-0.1	0.1	0.4	0.6	0.4		
Apr	-	-0.1	0.7	-1.6	-1.3		
May	0.2	-	0.6	-0.8	1.9		
Jun	0.4	0.2	0.2	2.5	0.4		
Jul	0.3	0.3	-	-1.2	0.9		
Aug	0.4	0.4	-0.1	2.0	0.1		
Sep	0.2	0.4	0.1	-2.9	-4.2		
Oct	-	0.3	0.2	-0.5	-0.4		
Nov	-	0.2	0.2	1.1	1.8		
ercentage change, late	st 3 months on same 3 months	s a year ago					
	S2HN	S2HO	S2HP	S2HQ	S2HR		
2017 Nov	0.3	-0.2	1.7	5.2	11.3		
Dec	0.1	-1.1	2.2	4.6	6.7		
2018 Jan	0.3	-1.7	2.4	2.5	-		
Feb	0.4	-1.8	2.2	1.5	-0.9		
Mar	0.4	-1.7	1.2	0.4	0.9		
Apr	0.4	-1.3	-0.4	0.3	2.4		
May	0.5	-0.9	-2.0	0.6			
Jun	0.4	-0.4	-3.0	1.6	-1.2		
Jul	0.4	0.2	-2.8	1.9	-0.7		
Aug	0.5	0.8	-1.9	1.7	0.1		
Sep	0.6	1.3	-0.8	1.4	0.1		
Oct	1.1	1.7	-0.2	1.8	-0.3		
Nov	1.5	2.2	-0.3	2.2			
Dec	1.8	2.8	-1.1	2.3	1.1		
2019 Jan	1.6	3.4	-2.1	2.2	1.0		
Feb	1.5	4.0	-2.8	2.3	1.3		
Mar	1.3	4.4	-2.6	2.3	1.0		
Apr	1.1	4.3	-1.5	1.7	0.3		
May	1.0	4.0	0.1	0.5	1.3		
Jun	1.0	3.5	1.3	0.3	2.1		
Jul	1.2	3.5	1.3	0.3	2.1		
Aug	2.0	2.9	1.0	2.2	2.8		
Sep	2.0 2.2	2.9	0.7	2.2	2.2		
	2.2			1.4	0.4		
Oct		3.1	0.5	-			
Nov	2.0	3.3	0.6	-1.3	-0.2		

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reflect values measured at basic prices, which exclude 'taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

#### IOS: Index of Services Chained volume indices of gross value added <sup>1,2,3</sup>

seasonally adjusted 2016 = 100

			Industry components (SIC20	)7)	
	Human health activities	Residential care activities	Social work activities without accommodation	Arts, entertainment and recreation	Creative arts and entertainmen activities
Component	86	87	88	R	9
2016 weights	64	13	17	20	
Percentage change, late	st 3 months on previous 3	months			
	S2CX	S2CY	S2CZ	S2D2	S2D3
2017 Nov	-0.4	-0.7	-0.8	1.0	-1.2
Dec	-0.5	-0.9	0.2	1.2	-0.1
2018 Jan	0.1	-0.8	1.1	0.6	-1.3
Feb	0.5	-0.6	1.3	0.3	-0.3
Mar	0.8	-0.2	0.6	-0.3	0.3
Apr	0.6	0.2	-0.8	-	1.
May	0.5	0.7	-2.1	0.7	0.
Jun	0.3	1.1	-2.4	1.1	-0
Jul	0.1	1.4	-1.7	0.4	-0.
Aug	-0.1	1.5	-0.4	-0.4	1.0
Sep	-	1.3	0.8	-0.6	0.
Oct	0.2	1.0	1.2	0.8	0.
Nov	0.6	0.6	0.8	1.6	-1.3
Dec	0.7	0.5	-	2.1	0.
2019 Jan	0.7	0.8	-0.8	1.0	
Feb	0.5	1.2	-1.2	0.5	1.1
Mar	0.3	1.4	-0.9	-0.3	0.
Apr	0.1	1.1	-0.2	-0.5	0.8
May	0.1	0.6	0.8	-1.1	0.
Jun	0.2	0.2	1.4	-0.9	0.
Jul	0.5	0.2	1.3	-0.4	1.1
Aug	0.9	0.4	0.8	1.3	1.5
Sep	1.0	0.8	0.3	0.5	0
Oct	0.9	1.0	0.1	-0.1	-2.
Nov	0.6	1.0	0.2	-2.0	-3.5

1 Indices reflect values measured at basic prices, which exclude "taxes less a indices reliect values integrated at basic prices, which exclude taxes less subsidies on products<sup>a</sup>.
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 A complete run of data is available on the ONS website as a

Time series dataset

# IOSCOMP IOS: Index of Services Chained volume indice

Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

continued	onamed volume indices	5 0. g. 000 Tallo ada			sonally adjusted 2010 - 1
	Libraries,		Industry components (SIC	2007)	
	museums and	Gambling	Sports activities		Activities of
	other cultural	and betting	and recreation	Other service	membership
	activities	activities	activities	activities	organisations
Component	91	92	93	S	94
2016 weights	2	5	8	21	5
	S2MI	S2MJ	S2MK	S2ML	S2MM
2014	111.4	105.1	102.8	102.3	101.1
2015	97.6	107.8	100.1	106.5	101.0
2016	100.0	100.0	100.0	100.0	100.0
2017	101.5	99.3	102.4	101.1	97.3
2018	104.4	104.8	101.9	101.6	101.6
2017 Nov	98.8	101.1	102.8	101.1	93.5
Dec 2018 Jan	104.3	100.6	104.2 101.7	100.5	94.0
Feb	104.4 101.6	102.7 104.9	99.0	101.6 100.5	95.6 97.1
Mar	106.6	104.9	98.5	100.5	97.8
Apr	105.1	106.3	100.1	102.3	98.2
May	105.7	105.9	102.8	102.2	99.2
Jun	105.0	104.9	102.0	102.9	101.3
Jul	105.4	104.0	97.9	102.5	103.8
Aug	102.8	103.7	100.7	102.6	105.5
Sep	103.3	104.2	104.6	101.0	105.8
Oct	103.1	105.0	105.3	101.2	105.2
Nov	107.3	105.3	103.7	100.3	104.7
Dec	102.5	104.7	107.0	99.3	105.1
2019 Jan	102.9	103.4	106.0	98.8	106.2
Feb	107.2	102.0	105.0	99.6	107.4
Mar	103.0	101.0	107.5	100.2	108.4
Apr	102.1	100.5	104.9	99.9	109.0
May	103.1	100.4	101.6	101.5	109.4
Jun	103.8	100.6	107.2	102.2	109.8
Jul	104.2	101.0	103.4	103.0	110.2
Aug	104.8	101.4	107.9	104.1	110.7
Sep	100.9	101.8	103.8	103.7	111.4
Oct	100.2	102.0	102.9	103.6	112.2
Nov	99.9	102.2	104.4	103.6	112.8
Percentage change,	latest year on previous year				
0 07	S23O	S23P	S23Q	S23R	S23S
2014	-3.8	12.4	4.6	9.7	7.4
2015	-12.4	2.6	-2.6	4.0	-
2016	2.5	-7.2	-0.1	-6.1	-1.0
2017	1.5	-0.7	2.4	1.1	-2.7
2018	2.9	5.6	-0.5	0.4	4.4
Dereentere change	latest month on same month	-			
Fercentage change,	S28E	S28F	S28G	S28H	S28I
2017 Nov	-5.6	9.9	-0.3	0.9	-6.4
Dec	2.3	6.6	5.9	-0.4	-5.9
2018 Jan	1.5	6.0	0.1	1.4	-3.5
Feb	-2.7	3.7	-2.8	2.1	-1.0
Mar	5.4	0.8	-2.6	2.3	-
Apr	1.4	10.7	-5.8	0.3	-
May	5.9	10.4	-1.4	-0.1	0.5
Jun	4.6	8.4	2.5	1.8	2.6
Jul	7.1	6.7	-3.8	1.8	4.7
Aug	1.6	4.9	-0.6	-0.4	6.8
Sep	2.6	5.1	2.6	-1.5	9.0
Oct	1.0	2.9	3.1	-0.5	10.9
Nov	8.6	4.2	0.8	-0.8	12.0
Dec 2019 Jan	-1.7	4.0	2.7	-1.2	11.8
2019 Jan Feb	-1.4 5.6	0.6 -2.7	4.3 6.0	-2.7 -0.8	11.1 10.6
Mar	-3.3	-2.7 -4.8	9.1	-0.8 -2.3	10.8
Apr	-3.3 -2.8	-4.8 -5.5	4.8	-2.3	11.0
May	-2.8 -2.5	-5.5	4.8 -1.1	-2.2 -0.7	10.3
Jun	-2.5	-4.1	5.0	-0.7	8.4
Jul	-1.2	-2.9	5.7	0.6	6.1
Aug	1.9	-2.1	7.1	1.4	4.9
Sep	-2.3	-2.3	-0.7	2.7	5.3
Oct	-2.9	-2.8	-2.2	2.4	6.7
Nov	-6.9	-3.0	0.7	3.4	7.7

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices relief values measured at basic prices, which exclude taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>.

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

ntinued between sense and the sense of the s					
	Libraries,		Industry components (SIC200	)/)	
	museums and	Gambling	Sports activities		Activities of
	other cultural	and betting	and recreation	Other service	membership
	activities	activities	activities	activities	organisations
Component	91	92	93	S	94
2016 weights	2	5	8	21	5
avaantana ahanna lataa					
ercentage change, lates	st month on previous month	S23P	S23Q	S23R	S23S
2017 Nov	-3.2	-0.9	0.7	-0.6	-1.4
Dec	5.6	-0.5	1.3	-0.6	0.5
2018 Jan	0.1	2.1	-2.4	1.0	1.7
Feb	-2.7	2.1	-2.6	-1.1	1.6
Mar	4.9	1.2	-0.5	2.1	0.7
Apr	-1.4	0.2	1.6	-0.4	0.4
May	0.6	-0.5	2.7	0.1	1.0
Jun	-0.7	-0.9	-0.7	0.7	2.1
Jul	0.5	-0.9	-4.1	-0.5	2.5
Aug	-2.5	-0.3	2.9	0.2	1.7
Sep	0.5	0.5	3.8	-1.6	0.2
Oct	-0.2	0.5	0.7	0.2	-0.6
Nov	4.1	0.3	-1.5	-0.9	-0.4
Dec	-4.5	-0.6	3.2	-0.9	-0
2019 Jan	-4.5	-0.6	-0.9	-0.9	1.0
Feb	4.2	-1.2	-0.9	-0.5	1.1
Mar		-1.3	-1.0 2.4		
	-3.9			0.6	0.9
Apr	-0.9	-0.5	-2.4	-0.3	0.6
May	1.0	-0.1	-3.1	1.6	0.4
Jun	0.7	0.2	5.5	0.7	0.3
Jul	0.3	0.4	-3.5	0.8	0.4
Aug	0.6	0.4	4.3	1.0	0.5
Sep	-3.7	0.3	-3.7	-0.3	0.6
Oct	-0.8	0.2	-0.8	-0.1	0.7
Nov	-0.3	0.2	1.5	-	0.5
ercentage change, lates	st 3 months on same 3 months	s a vear ago			
gg-,	S2HS	S2HT	S2HU	S2HV	S2HW
2017 Nov	-4.6	7.7	2.0	2.0	-3.1
Dec	-3.6	8.9	2.6	1.0	-5.3
2018 Jan	-0.6	7.5	1.8	0.6	-5.2
Feb	0.3	5.4	1.0	1.0	-3.5
Mar	1.3	3.4	-1.8	2.0	-1.5
Apr	1.3	4.9	-3.8	1.6	-0.3
May	4.2	7.1	-3.3	0.8	0.2
Jun	3.9	9.8	-1.7	0.7	1.0
Jul	5.9	8.5	-0.9	1.2	2.6
Aug	4.4	6.7	-0.7	1.1	4.7
Sep	3.8	5.6	-0.6	1.1	6.8
Oct	1.7	4.3	-0.0	-0.8	8.9
Nov	4.0	4.3	2.2	-0.8 -1.0	10.6
Dec	2.5	3.7	2.2	-0.8	11.6
		2.9			
2019 Jan Feb	1.7 0.8	2.9	2.6 4.3	-1.6 -1.6	11.6 11.2
⊢eb Mar	0.8	-2.3	4.3 6.5	-1.6 -1.9	
					10.8
Apr	-0.3	-4.3	6.7	-1.8	10.8
May	-2.9	-5.1	4.2	-1.7	10.7
Jun	-2.1	-4.9	2.9	-1.2	9.9
Jul	-1.6	-4.0	3.1	-0.3	8.2
	-0.1	-3.0	5.9	0.4	6.4
Aug					
Sep	-0.5	-2.4	3.9	1.6	
	-0.5 -1.1 -4.1	-2.4 -2.4 -2.7	3.9 1.3 -0.7	2.2 2.8	5.5 5.7 6.6

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reflect values measured at basic prices, which exclude 'taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added <sup>1,2,3</sup>

seasonally adjusted 2016 = 100

			Industry components (SIC200	17)	
	Libraries,		• • •		
	museums and	Gambling	Sports activities		Activities of
	other cultural	and betting	and recreation	Other service	membershi
	activities	activities	activities	activities	organisation
Component	91	92	93	S	
2016 weights	2	5	8	21	9
ercentage change, late	st 3 months on previous 3 m	onths			
J	S2D4	S2D5	S2D6	S2D7	S2D
2017 Nov	0.5	3.1	1.3	0.2	-3.8
Dec	1.6	2.8	1.3	-0.9	-4.3
2018 Jan	1.2	1.5	1.1	-1.4	-2.
Feb	2.9	2.0	-0.7	-0.9	0.
Mar	2.4	3.3	-3.2	0.4	3.
Apr	1.9	4.2	-3.6	0.6	3.
May	2.3	3.3	-1.1	1.4	3.
Jun	1.0	1.1	1.9	0.9	2.
Jul	0.9	-0.8	1.8	0.8	3.
Aug	-1.3	-1.8	-0.2	0.4	5.
Sep	-1.3	-1.7	-0.6	-0.4	5.
Oct	-2.2	-0.6	2.6	-0.9	4.
Nov	0.1	0.6	4.3	-1.8	1.
Dec	0.4	1.0	4.2	-1.7	-0.
2019 Jan	1.1	0.2	2.0	-2.1	-0.
Feb	-0.3	-1.4	1.4	-1.6	1.
Mar	0.1	-2.7	0.8	-0.7	2.
Apr	-0.1	-3.1	0.2	0.4	2.
May	-1.4	-2.6	-1.3	1.3	2.
Jun	-1.3	-1.6	-1.5	1.7	1.
Jul	-0.4	-0.5	-1.6	2.3	1.
Aug	1.5	0.4	1.4	2.6	1.
Sep	0.3	0.9	0.4	2.4	1.
Oct	-1.7	1.0	0.7	1.5	1.
Nov	-3.8	0.9	-2.3	0.6	1.

1 Indices reflect values measured at basic prices, which exclude "taxes less a indices reliect values integrated at basic prices, which exclude taxes less subsidies on products<sup>a</sup>.
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 A complete run of data is available on the ONS website as a

Time series dataset

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

itinued	Industry components (SIC2007)				
	Repair of			·	
	computers	Other personal	Activities of	Activities of	
	and household	service	households	households	
	goods	activities	as employers	as employers	
Component	95	96	Т	97	
016 weights	2	13	4	4	
	S2MN	S2MO	S2MP	S2MQ	
2014	94.2	104.3	83.8	83.8	
2015	104.7	109.2	84.0	84.0	
2016	100.0	100.0	100.0	100.0	
2017	114.0	100.6	101.6	101.6	
2018	117.1	99.2	105.4	105.4	
2017 Nov	113.8	102.2	100.7	100.7	
Dec	117.1	100.5	101.4	101.4	
2018 Jan	114.2	101.9	102.1	102.1	
Feb	114.1	99.7	102.1	102.1	
Mar	116.9	102.2	104.5	104.5	
Apr	116.8	101.4	104.9	104.9	
May	117.3	101.1	104.3	104.3	
Jun	119.8	101.0	105.3	105.3	
Jul	114.5	100.1	106.5	106.5	
Aug	117.1	99.3	107.7	107.7	
Sep	116.7	96.7	107.6	107.6	
Oct	117.2	97.3	107.6	107.6	
Nov	119.6	95.6	106.5	106.5	
Dec	121.1	93.7	105.8	105.8	
2019 Jan	119.7	92.7	105.0	105.0	
Feb	116.9	92.7	103.5	103.5	
Mar	113.2	94.0 95.0	103.5	103.5	
Apr	115.4	94.0	100.4	100.4	
May	115.0	96.3	99.1	99.1	
Jun	113.5	97.5	99.6	99.6	
Jul	118.8	97.8	98.6	98.6	
Aug	115.1	99.8	99.3	99.3	
Sep	117.9	98.6	100.7	100.7	
Oct	122.0	97.5	101.8	101.8	
Nov	117.9	97.9	102.9	102.9	
Percentage change, lates	t year on previous year				
	S23T	S23U	S23V	S23W	
2014	23.4	8.9	-4.7	-4.7	
2015	11.2	4.8	0.3	0.3	
2016	-4.5	-8.5	19.0	19.0	
2017	14.0	0.6	1.6	1.6	
2018	2.7	-1.5	3.7	3.7	
ercentage change, lates	t month on same month a	year ago			
• • •	S28J	S28K	S28L	S28M	
2017 Nov	13.6	1.7	1.6	1.6	
Dec	9.7	-	4.3	4.3	
2018 Jan	4.4	2.8	6.1	6.1	
Feb	8.0	2.4	4.4	4.4	
Mar	3.0	3.1	4.8	4.8	
Apr	6.8	-0.6	3.4	3.4	
May	1.8	-0.6	1.9	1.9	
Jun	5.4	0.9	1.0	1.0	
Jul	-1.2	1.2	0.8	0.8	
Aug	-0.7	-3.1	3.4	3.4	
Sep	-1.4	-5.4	2.8	2.8	
Oct	-1.0	-4.6	6.6	6.6	
Nov	5.1	-6.4	5.7	5.7	
Dec	3.4	-6.8	4.3	4.3	
2019 Jan	4.8	-9.0	2.9	2.9	
Feb	2.4	-5.7	1.4	1.4	
Mar	-3.2	-7.0	-3.4	-3.4	
	-1.2	-7.3	-4.3	-4.3	
Apr	-2.0	-4.7	-5.0	-5.0	
Apr			-5.5	-5.5	
Apr May		-3.5			
Apr May Jun	-5.2	-3.5 -2.3			
Apr May Jun Jul	-5.2 3.8	-2.3	-7.4	-7.4	
Apr May Jun Jul Aug	-5.2 3.8 -1.7	-2.3 0.5	-7.4 -7.8	-7.4 -7.8	
Apr May Jun Jul Aug Sep	-5.2 3.8 -1.7 1.1	-2.3 0.5 1.9	-7.4 -7.8 -6.4	-7.4 -7.8 -6.4	
Apr May Jun Jul Aug	-5.2 3.8 -1.7	-2.3 0.5	-7.4 -7.8	-7.4 -7.8	

Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added <sup>1,2,3</sup>

seasonally adjusted 2016 = 100

continued Industry components (SIC2007)					
	Repair of	1	ndustry components (SIC200	7)	
	computers	Other personal	Activities of	Activities of	
	and household	service	households	households	
	goods	activities	as employers	as employers	
Component	95	96	T	97	
2016 weights	2	13	4	4	
Percentage change, lates	t month on previous month				
	S23T	S23U	S23V	S23W	
2017 Nov	-3.8	0.2	-0.2	-0.2	
Dec	2.9	-1.6	0.7	0.7	
2018 Jan	-2.5	1.4	0.6	0.6	
Feb	-0.1	-2.2	0.1	0.1	
Mar	2.5	2.5	2.3	2.3	
Apr	-0.1	-0.8	0.4	0.4	
May	0.4	-0.2	-0.5	-0.5	
Jun	2.1	-0.1	1.0	1.0	
Jul	-4.4	-0.9	1.1	1.1	
Aug	2.3	-0.8	1.2	1.2	
Sep	-0.4	-2.6	-0.1	-0.1	
Oct	0.4	0.5	-	-	
Nov	2.1	-1.7	-1.0	-1.0	
Dec	1.3	-2.0	-0.7	-0.7	
2019 Jan	-1.2	-1.1	-0.7	-0.7	
Feb	-2.4	1.3	-1.4	-1.4	
Mar	-3.1	1.1	-2.6	-2.6	
Apr	1.9	-1.1	-0.5	-0.5	
May	-0.3	2.5	-1.3	-1.3	
Jun	-1.3	1.2	0.5	0.5	
Jul	4.6	0.3	-1.0	-1.0	
Aug	-3.1	2.0	0.7	0.7	
Sep	2.4	-1.2	1.4	1.4	
Oct	3.4	-1.1	1.0	1.0	
Nov	-3.4	0.4	1.1	1.1	
Deveentere chenne leter		ha a waar ana			
Percentage change, lates	t 3 months on same 3 mont S2HX	ns a year ago S2HY	S2HZ	S212	
2017 Nov	16.9	1.6	1.1	1.1	
Dec	14.6	1.0	2.0	2.0	
2018 Jan	9.1	1.5	4.0	4.0	
Feb	7.3	1.5	4.0	4.0	
Mar	5.0	2.8	5.1	5.1	
Apr	5.9	1.6	4.2	4.2	
May	3.8	0.6	3.3	3.3	
Jun	4.6	-0.1	2.1	2.1	
Jul	2.0	0.5	1.2	1.2	
Aug	1.1	-0.4	1.7	1.2	
Sep	-1.1	-2.5	2.3	2.3	
Oct	-1.0	-4.4	4.2	4.2	
Nov	-1.0	-4.4 -5.5	4.2 5.0	4.2 5.0	
Dec	2.5	-5.9	5.5	5.5	
2019 Jan	2.5	-5.9	4.3	4.3	
Feb	3.6	-7.2	2.9	2.9	
Mar	1.3	-7.2	0.3	0.3	
Apr	-0.7	-7.3	-2.2	-2.2	
May	-0.7 -2.1	-6.3	-2.2 -4.3	-2.2 -4.3	
	-2.1	-6.3 -5.2	-4.3 -4.9	-4.9	
Jun	-2.8 -1.2	-5.2 -3.5	-4.9 -6.0	-4.9 -6.0	
Jul	-1.2 -1.1		-6.9	-6.9	
Aug		-1.8			
Sep	1.0	-	-7.2	-7.2	
Oct Nov	1.2 1.2	0.9 1.5	-6.6 -5.1	-6.6 -5.1	
INUV	1.2	1.5	-5.1	-3. I	

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reliect values measured at basic prices, which exclude taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>

IOS: Index of Services Chained volume indices of gross value added  $^{\rm 1,2,3}$ 

seasonally adjusted 2016 = 100

			Industry components (SIC200	17)
	Repair of		· · ·	•
	computers	Other personal	Activities of	Activities of
	and household	service	households	households
	goods	activities	as employers	as employers
Component	95	96	Т	97
2016 weights	2	13	4	4
Percentage change, late	est 3 months on previous 3	months		
	S2D9	S2DA	S2DB	S2DC
2017 Nov	0.9	1.6	-2.5	-2.5
Dec	-0.8	0.3	-3.6	-3.6
2018 Jan	-2.7	-0.6	-1.8	-1.8
Feb	-1.4	-1.4	-0.3	-0.3
Mar	-1.1	-0.3	1.8	1.8
Apr	0.8	-0.5	2.4	2.4
May	1.7	0.8	2.7	2.7
Jun	2.5	-0.1	1.9	1.9
Jul	1.1	-0.3	1.5	1.5
Aug	0.1	-1.4	1.9	1.9
Sep	-1.6	-2.4	2.3	2.3
Oct	-0.2	-3.0	2.1	2.1
Nov	0.6	-3.6	0.7	0.7
Dec	2.8	-3.2	-0.6	-0.6
2019 Jan	2.7	-3.8	-1.7	-1.7
Feb	1.2	-3.2	-2.3	-2.3
Mar	-2.3	-1.7	-3.3	-3.3
Apr	-4.1	0.3	-3.9	-3.9
May	-3.9	1.8	-4.4	-4.4
Jun	-1.7	2.2	-3.4	-3.4
Jul	0.5	3.1	-2.5	-2.5
Aug	1.1	3.4	-1.0	-1.0
Sep	2.3	2.9	-0.2	-0.2
Oct	2.2	1.4	1.5	1.5
Nov	3.0	-0.4	2.6	2.6

1 Indices reflect values measured at basic prices, which exclude "taxes less

Indices reliect values measured at basic prices, which exclude taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 A complete run of data is available on the ONS website as a <u>Time series dataset</u>