

Statistical bulletin

Index of Services, UK: November 2019

Monthly movements in output for the services industries.



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Next release:
11 February 2020

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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 [GDP monthly estimate, UK: November 2019](#).

This November 2019 release contains revisions from January 2018 and is consistent with the [National Accounts Revisions Policy](#). The revisions up to September 2019 are consistent with those published in the [Quarterly national accounts](#) 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 [Monthly Business Survey turnover of services industries dataset](#), 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 [UK Statistics Authority](#) as [National Statistics](#), in accordance with the [Statistics and Registration Service Act 2007](#) and signifying compliance with the [Code of Practice for Statistics](#).

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.

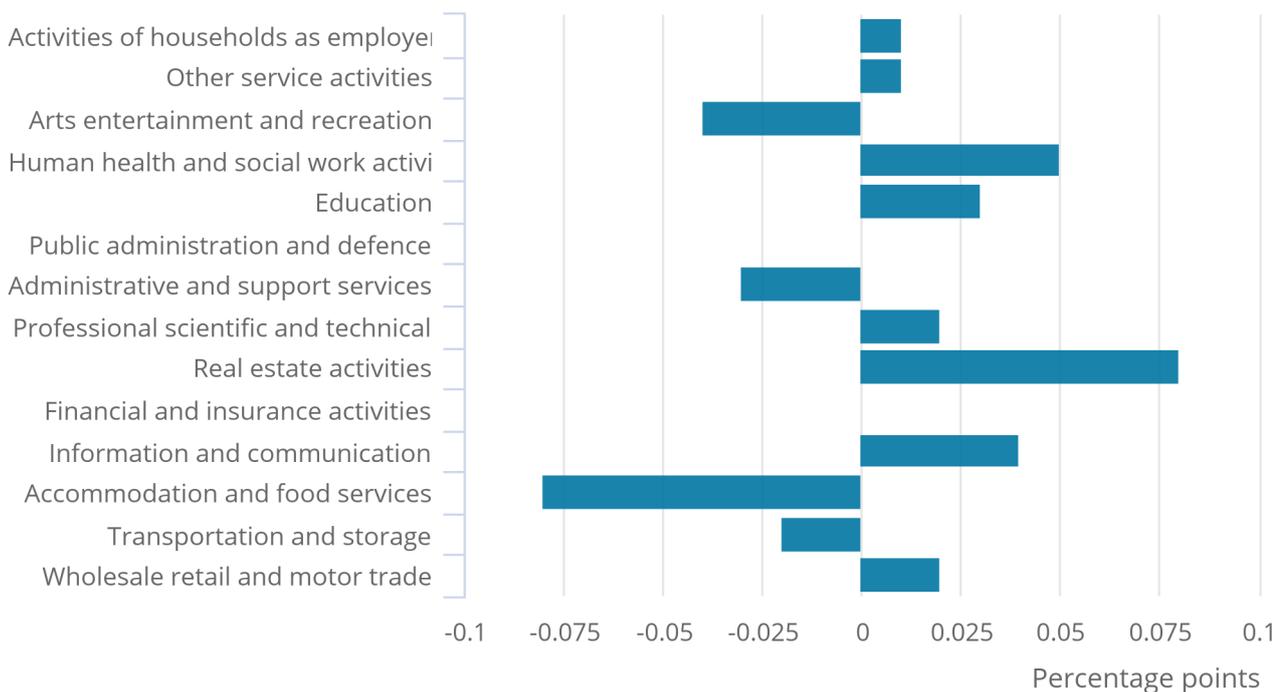
Accommodation and food services provided the largest downward contribution, with food and beverage services decreasing by 2% and contributing negative 0.05 percentage points (Figure 1).

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.

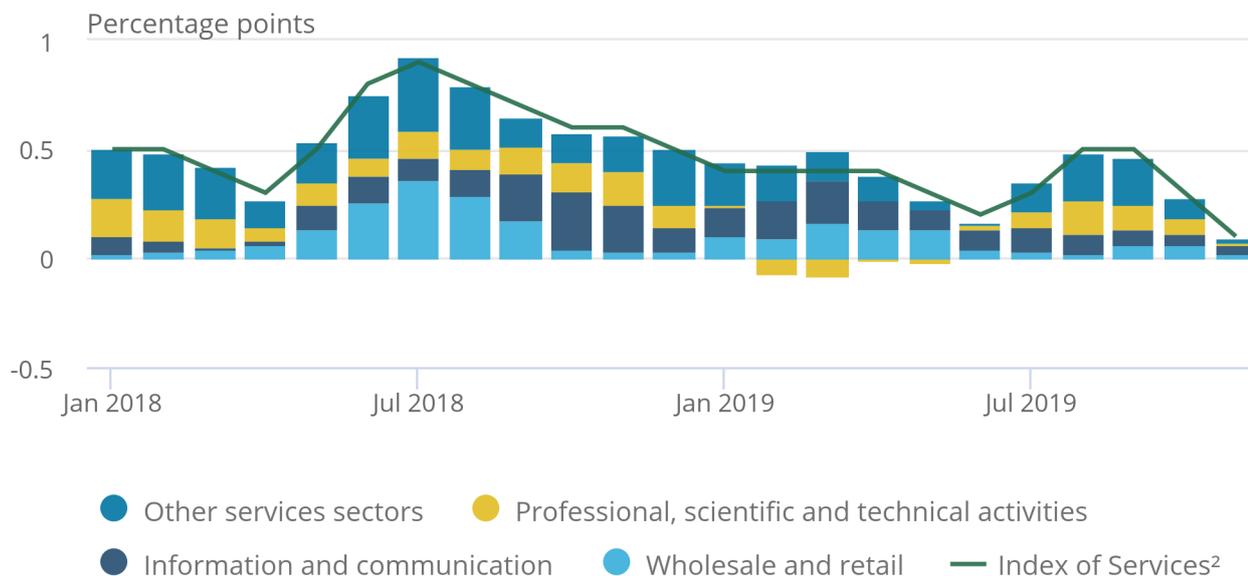
Despite growth in the wholesale, retail and motor trade sector, retail trade contributed negatively (0.02 percentage points); this is the first decline in this industry since April 2018, for more information please see [Retail sales, Great Britain: November 2019](#).

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 contributions¹ 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 contributions¹ 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.

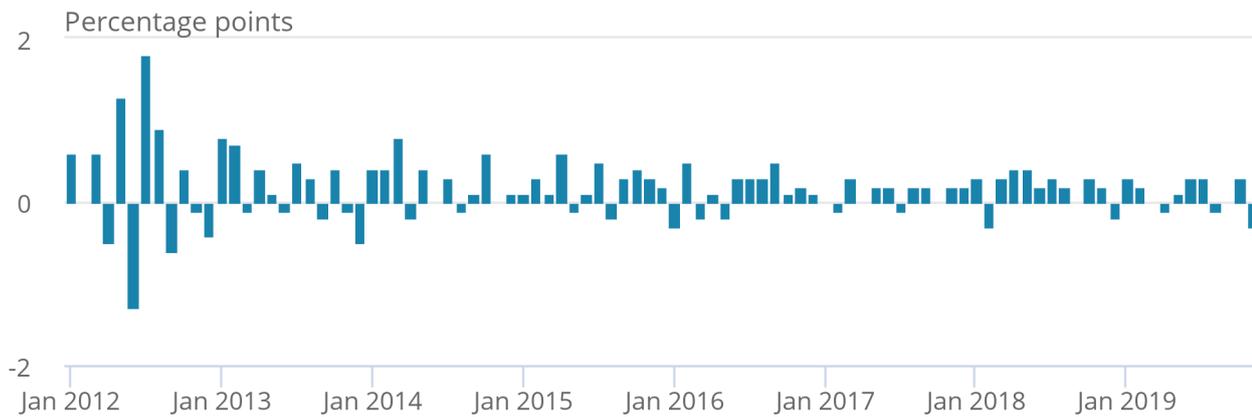
Index of Services (IoS) growth has been subdued through 2019 and has not seen monthly growth larger than 0.3% since May 2018, and 0.4% since September 2016 (Figure 3). Care should be taken when using the month-on-month growth rates as data can be volatile.

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

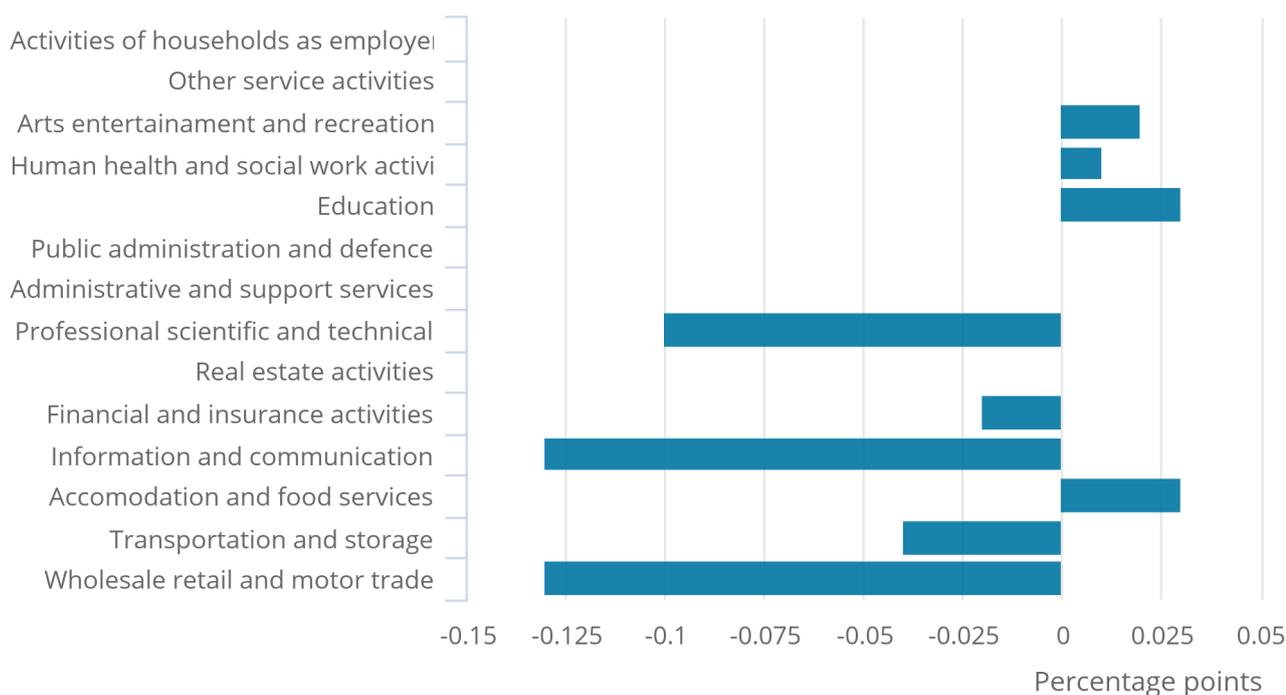
The three largest contributors to the negative growth were: wholesale, retail and motor trade, information and communication, and professional, scientific and technical sectors (Figure 4). All three sectors have recently had large growths: in October 2019 wholesale, retail and motor trade grew 0.5%, 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 [Retail sales, Great Britain: November 2019](#).

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.

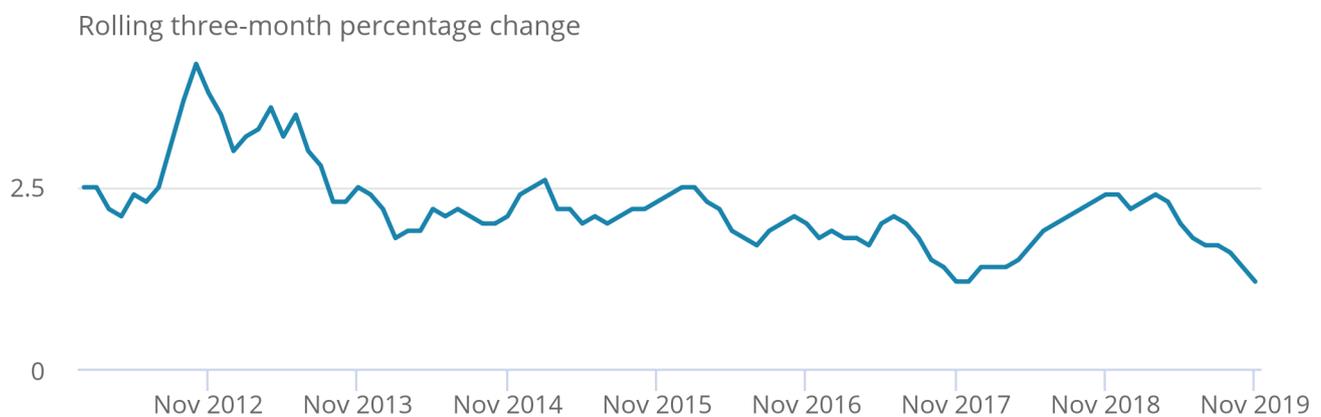
More detail on measuring public sector-dominated industries was covered in the [Index of Services, UK: September 2019](#). All five of these industries increased in the latest three months.

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



Source: Office for National Statistics – Index of Services

6 . Links to related statistics

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

A [comparison between official estimates of UK output and diffusion indices](#), 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 [Services sector performance, UK: 2008 to 2018](#). 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.

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

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

7 . Quality and methodology

The monthly [Index of Services \(IoS\)](#) 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 [GDP\(o\) data sources catalogue](#). 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 [VAT turnover data in National Accounts: background and methodology](#).

The [GDP\(o\) methods and sources pages](#) provide more information on the data that underpin these statistics; of particular note is the [GDP\(o\) data sources catalogue](#).

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 ¹ (ONS)	42.4
Retail Sales Inquiry ² (ONS)	6.7
Government Expenditure (ONS)	20.1
Households Expenditure (ONS)	16.0
Finance Expenditure (ONS)	8.3
Other ³	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 [MBS turnover in services industries](#).
2. Data relating to the retail industry are broadly comparable with [Retail sales, Great Britain: November 2019](#), published on 14 November 2019.
3. For further information on what is included within Other, please see the [GDP\(o\) data sources catalogue](#).

This November 2019 release contains revisions from January 2018 and is consistent with the [National Accounts Revisions Policy](#). The revisions up to September 2019 are consistent with those published in the [Quarterly national accounts](#) 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 medium-sized 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 [Index of Services QMI](#).

Index of Services - Publication Tables



Press this symbol within the tables to return here.

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Metadata	Breakdown of metadata used in the IOS tables.
Table 1	IOS 1 - Total services & Sections G-T (Index and Annual growth)
Table 2	IOS 1 - Total services & Sections G-T (Month on Month growth)
Table 3	IOS 1 - Total services & Sections G-T (3 Months on 3 Months growth)
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 growth)
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)
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Table 13	IOSCOMP - Components 53 - 56 (Index and Annual growth)
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Table 16	IOSCOMP - Components 58 - 62 (Index and Annual growth)
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Table 23	IOSCOMP - components 68 (Month on Month growth)
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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)

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

Index of Services
G & I: Distribution, hotels & catering G & I: Distribution, hotels & catering H & J: Transport, storage & communications K - N: Business services & finance O - T: Government & other services
G & I: Distribution, hotels & catering G: Wholesale, retail and motor trade 45: Wholesale And Retail Trade And Repair Of Motor Vehicles And Motorcycles 46: Wholesale Trade, Except Of Motor Vehicles And Motorcycles 47: Retail Trade, Except Of Motor Vehicles And Motorcycles I: Accommodation and food services 54: Accommodation 55: Accommodation 56: Food And Beverage Service Activities
H & J: Transport, storage & communications H: Transportation and storage 49.1-2: Rail transport 49.3-5: Land transport services and transport services via pipelines, excluding rail transport 50: Water Transport 51: Air Transport 52: Warehousing And Support Activities For Transportation 53: Postal And Courier Activities J: Information and communication JA: Publishing, audiovisual and broadcasting activities 58: Publishing Activities 59: Motion Picture, Video & TV Programme Production, Sound Recording & Music Publishing Activities 60: Programming And Broadcasting Activities JB: Telecommunications 61: Telecommunications JCI: IT and other information service activities 62: Computer Programming, Consultancy And Related Activities 63: Information Service Activities
K - N: Business services & finance K: Financial and insurance activities 64: Financial Service Activities, Except Insurance And Pension Funding 65.1-2: Insurance and reinsurance, except compulsory social security 66: Activities Auxiliary To Financial Services And Insurance Activities L: Real estate activities 68.1-2: Buying and selling, renting and operating of own or leased real estate, excluding imputed rent 68.2IMP: Imputed rent 68.3: Real estate activities on a fee or contract basis
M-N: M & N

Industry sections (SIC2007)						
Section	Total service industries	Distribution hotels and restaurants	Transport, storage and communication	Business services and finance	Government and other services	
	G-T	G and I	H and J	K-N	O-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	102.4	102.8	105.7	102.0	101.2	
2018 Jan	102.8	103.4	105.4	102.6	101.3	
Feb	102.4	103.5	104.4	102.1	101.2	
Mar	102.7	103.0	105.4	102.4	101.5	
Apr	103.1	104.1	105.9	102.7	101.6	
May	103.5	105.8	106.6	102.7	101.7	
Jun	103.6	105.9	107.0	102.8	101.9	
Jul	103.9	106.9	107.2	103.0	101.9	
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	
2019 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, latest year on previous year						
	S222	S243	KI77	KI7G	KI7O	
2014	2.1	3.5	1.4	2.7	0.8	
2015	2.2	4.0	3.7	2.1	0.7	
2016	2.0	3.7	2.8	2.7	-0.5	
2017	1.7	2.4	3.6	1.0	1.2	
2018	2.0	3.0	3.8	1.8	0.7	
Percentage change, latest month on same month a year ago						
	S26Q	S28R	KI7A	KI7I	KI7Q	
2017 Nov	1.2	1.5	3.5	0.5	0.9	
Dec	1.3	0.8	4.0	1.0	0.8	
2018 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	
2019 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	2.7	0.5	1.7	
Oct	1.4	1.7	3.6	0.4	1.5	
Nov	0.8	0.3	1.8	0.1	1.8	

1 The IOS output is designated as a National Statistic.

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

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

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

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

[Time series dataset](#)

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

Industry sections (SIC2007)					
	Total service industries	Distribution hotels and restaurants	Transport, storage and communication	Business services and finance	Government and other services
Section	G-T	G and I	H and J	K-N	O-T
2016 weights	1000	168	133	421	278
Percentage change, latest month on previous month					
	S222	S243	K177	K17G	K17O
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	-	-
Dec	-0.2	-1.0	0.6	-0.4	0.2
2019 Jan	0.3	1.4	0.8	-0.2	0.1
Feb	0.2	0.1	-	0.3	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, latest 3 months on same 3 months a year ago					
	S2G6	S2I7	K17C	K17J	K17R
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	4.7	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	2.4	4.8	6.2	0.6	1.7
Apr	2.3	4.6	6.2	0.5	1.7
May	2.0	3.9	5.6	0.2	1.7
Jun	1.8	3.0	5.3	0.2	1.7
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

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	G-T	G and I	H and J	K-N	O-T
2016 weights	1000	168	133	421	278
Percentage change, latest 3 months on previous 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	-	0.3
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

1 The IOS output is designated as a National Statistic.

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

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

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

5 A complete run of data is available on the ONS website as a [Time series dataset](#)

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

Industry sections (SIC2007)						
Section	Total service industries	Distribution hotels and restaurants	Transport, storage and communication	Business services and finance	Government and other services	
	G-T	G and I	H and J	K-N	O-T	
2016 weights	1000	168	133	421	278	
	S2KU	S2MV	K17B	K17L	K17T	
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2017	-	-	-	-	-	-
2018	-0.1	0.1	0.7	-0.4	-0.4	-0.4
2017 Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2018 Jan	-	0.2	0.8	-0.2	-0.5	-0.5
Feb	-0.1	0.2	0.7	-0.3	-0.4	-0.4
Mar	-0.1	0.1	0.7	-0.3	-0.4	-0.4
Apr	-0.1	0.1	0.6	-0.4	-0.4	-0.4
May	-0.1	0.2	0.6	-0.3	-0.4	-0.4
Jun	-0.3	0.2	0.2	-0.5	-0.4	-0.4
Jul	-0.2	0.3	0.4	-0.5	-0.4	-0.4
Aug	-0.2	0.3	0.8	-0.4	-0.5	-0.5
Sep	-0.1	0.4	0.9	-0.6	-0.4	-0.4
Oct	-0.1	0.3	0.9	-0.4	-0.3	-0.3
Nov	-0.1	-	0.7	-0.4	-0.4	-0.4
Dec	-0.3	-	0.2	-0.4	-0.4	-0.4
2019 Jan	-0.2	0.3	0.5	-0.5	-0.5	-0.5
Feb	-0.1	0.4	0.4	-0.3	-0.4	-0.4
Mar	-0.1	0.4	0.4	-0.4	-0.4	-0.4
Apr	-0.1	0.4	0.6	-0.5	-0.3	-0.3
May	-0.1	0.6	0.2	-0.5	-0.1	-0.1
Jun	-0.1	0.6	0.2	-0.4	-	-
Jul	-	0.5	0.3	-0.3	-0.1	-0.1
Aug	-	0.5	0.3	-0.3	-0.1	-0.1
Sep	-	0.6	0.4	-0.3	-0.1	-0.1
Oct	-	0.5	0.5	-0.1	-0.2	-0.2
Percentage change, latest year on previous year						
	S222	S243	K177	K17G	K17O	
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2017	-	-	-	-	-	-
2018	-0.1	0.2	0.6	-0.3	-0.4	-0.4
Percentage change, latest month on same month a year ago						
	S26Q	S28R	K17A	K17I	K17Q	
2017 Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2018 Jan	-0.1	0.3	0.8	-0.3	-0.5	-0.5
Feb	-0.2	0.2	0.6	-0.2	-0.4	-0.4
Mar	-0.2	0.1	0.6	-0.2	-0.4	-0.4
Apr	-0.1	0.1	0.6	-0.3	-0.4	-0.4
May	-0.2	0.2	0.6	-0.4	-0.4	-0.4
Jun	-0.2	0.2	0.2	-0.5	-0.4	-0.4
Jul	-0.2	0.3	0.4	-0.5	-0.4	-0.4
Aug	-0.1	0.2	0.7	-0.4	-0.4	-0.4
Sep	-0.2	0.3	0.9	-0.6	-0.4	-0.4
Oct	-0.1	0.2	0.9	-0.4	-0.3	-0.3
Nov	-0.2	0.1	0.7	-0.4	-0.3	-0.3
Dec	-0.2	-	0.3	-0.4	-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	0.1
May	-	0.4	-0.4	-0.2	0.2	0.2
Jun	0.2	0.4	-0.1	0.1	0.4	0.4
Jul	0.2	0.2	-0.1	0.2	0.2	0.2
Aug	0.1	0.4	-0.4	0.1	0.3	0.3
Sep	0.1	0.2	-0.5	0.2	0.3	0.3
Oct	0.2	0.2	-0.4	0.3	0.1	0.1

The earliest period open for revision is January 2018

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01633 456387; fax 01633 455300 or e-mail ios.enquiries@ons.gov.uk

RIOS1

IOS: Index of Services

Revisions since previously published estimates

seasonally adjusted 2016 = 100

continued

Industry sections (SIC2007)					
Section	Total service industries	Distribution hotels and restaurants	Transport, storage and communication	Business services and finance	Government and other services
	G-T	G and I	H and J	K-N	O-T
2016 weights	1000	168	133	421	278

Percentage change, latest month on previous month

	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	-0.1	-0.1	-0.3	-0.1	-
Jul	0.1	0.1	0.1	-	-
Aug	0.1	-0.1	0.4	0.1	-
Sep	-	0.1	0.2	-0.2	-
Oct	-	-0.1	-	-	0.1
Nov	-0.1	-0.2	-0.2	-	-
Dec	-0.1	-0.1	-0.4	-	-
2019 Jan	-	0.3	0.2	-0.1	-0.1
Feb	-	-	-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, latest 3 months on same 3 months a year ago

	S2G6	S2I7	KI7C	KI7J	KI7R
2017 Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2018 Jan	-	-	0.2	-0.1	-0.2
Feb	-0.1	0.1	0.4	-0.1	-0.3
Mar	-0.1	0.1	0.7	-0.2	-0.5
Apr	-0.1	0.1	0.6	-0.3	-0.4
May	-0.1	0.1	0.6	-0.3	-0.3
Jun	-0.1	0.2	0.5	-0.4	-0.4
Jul	-0.2	0.3	0.3	-0.5	-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

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RIOS1

IOS: Index of Services

Revisions since previously published estimates

seasonally adjusted 2016 = 100

continued

Industry sections (SIC2007)					
Section	Total service industries	Distribution hotels and restaurants	Transport, storage and communication	Business services and finance	Government and other services
	G-T	G and I	H and J	K-N	O-T
2016 weights	1000	168	133	421	278
Percentage change, latest 3 months on previous 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	-

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IOSCOMP

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

seasonally adjusted 2016 = 100

Component	Industry components (SIC2007)				
	Wholesale, retail and motor trades	Wholesale and retail trade and repair of motor vehicles and motorcycles	Wholesale trade, except of motor vehicles and motorcycles	Retail trade, except of motor vehicles and motorcycles	Transportation and storage
	G	45	46	47	H
2016 weights	131	21	44	66	52
	S2KV	S2KW	S2KX	S2KY	S2KZ
2014	92.3	84.1	97.1	92.0	100.4
2015	95.9	91.5	99.0	95.5	101.3
2016	100.0	100.0	100.0	100.0	100.0
2017	102.5	101.8	103.5	102.0	101.8
2018	105.7	101.3	109.7	104.5	103.6
2017 Nov	103.3	100.8	105.0	103.0	101.8
Dec	102.9	100.8	104.5	102.4	101.9
2018 Jan	103.4	102.7	105.2	102.4	102.3
Feb	103.8	101.2	106.5	102.9	101.4
Mar	103.0	100.4	106.6	101.5	100.9
Apr	104.2	101.0	107.4	103.0	101.8
May	106.2	102.5	109.3	105.3	103.0
Jun	106.0	101.1	110.3	104.7	104.0
Jul	107.2	101.3	112.8	105.3	104.1
Aug	107.1	102.0	111.2	105.9	104.5
Sep	106.3	98.4	111.5	105.4	104.6
Oct	106.9	101.5	111.9	105.3	105.3
Nov	107.8	101.6	112.7	106.6	105.5
Dec	106.6	101.4	110.6	105.7	105.6
2019 Jan	108.3	103.6	112.7	106.9	105.4
Feb	108.4	103.2	112.7	107.2	105.4
Mar	108.8	101.6	112.6	108.6	105.5
Apr	108.8	102.9	112.6	108.2	105.6
May	109.1	102.5	114.1	107.9	104.8
Jun	108.6	102.5	111.4	108.6	104.4
Jul	109.1	101.6	112.7	109.1	106.0
Aug	109.5	103.9	113.3	108.7	104.8
Sep	109.2	100.7	114.0	108.7	104.2
Oct	109.7	102.5	114.8	108.6	105.4
Nov	108.7	102.7	112.7	108.0	104.6
Percentage change, latest year on previous year					
	S223	S224	S225	S226	S227
2014	4.1	7.3	3.7	3.5	3.6
2015	3.9	8.8	2.0	3.8	0.9
2016	4.2	9.3	1.0	4.8	-1.3
2017	2.5	1.8	3.5	2.0	1.8
2018	3.2	-0.5	5.9	2.5	1.8
Percentage change, latest month on same month a year ago					
	S26R	S26S	S26T	S26U	S26V
2017 Nov	1.6	0.2	3.2	1.0	2.1
Dec	0.6	-2.9	0.1	1.9	2.2
2018 Jan	2.0	1.5	2.8	1.6	0.6
Feb	2.0	0.6	3.6	1.4	-0.7
Mar	0.9	-5.5	4.3	0.8	-1.4
Apr	1.9	1.8	4.1	0.5	0.2
May	4.4	1.5	6.6	3.7	1.3
Jun	3.2	-0.7	5.5	2.9	3.2
Jul	4.8	-0.8	9.2	3.6	2.8
Aug	4.0	-0.6	7.5	3.2	2.8
Sep	3.1	-4.9	7.1	3.0	2.6
Oct	3.7	0.2	7.2	2.5	2.9
Nov	4.4	0.8	7.4	3.4	3.6
Dec	3.7	0.6	5.8	3.2	3.6
2019 Jan	4.7	0.9	7.1	4.3	3.1
Feb	4.4	2.0	5.8	4.2	4.0
Mar	5.6	1.3	5.7	6.9	4.5
Apr	4.4	1.8	4.8	5.0	3.7
May	2.8	-	4.5	2.5	1.7
Jun	2.4	1.4	1.0	3.7	0.4
Jul	1.8	0.2	-0.1	3.6	1.8
Aug	2.3	1.9	1.9	2.6	0.4
Sep	2.7	2.3	2.3	3.2	-0.3
Oct	2.7	1.0	2.6	3.2	0.1
Nov	0.8	1.1	-0.1	1.3	-0.8

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IOSCOMP

IOS: Index of Services

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Wholesale, retail and motor trades	Wholesale and retail trade and repair of motor vehicles and motorcycles	Wholesale trade, except of motor vehicles and motorcycles	Retail trade, except of motor vehicles and motorcycles	Transportation and storage
	G	45	46	47	H
2016 weights	131	21	44	66	52

Percentage change, latest month on previous month

	S223	S224	S225	S226	S227
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
Apr	1.1	0.7	0.8	1.4	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	0.3
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	-	1.2	-	-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	1.1
Nov	-0.9	0.2	-1.9	-0.6	-0.8

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

	S2G7	S2G8	S2G9	S2GA	S2GB
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	0.7
Mar	1.7	-1.2	3.6	1.3	-0.5
Apr	1.6	-1.1	4.0	0.9	-0.7
May	2.4	-0.8	5.0	1.7	-
Jun	3.2	0.9	5.4	2.4	1.5
Jul	4.1	-	7.1	3.4	2.4
Aug	4.0	-0.7	7.4	3.2	2.9
Sep	4.0	-2.1	7.9	3.3	2.7
Oct	3.6	-1.8	7.3	2.9	2.8
Nov	3.7	-1.3	7.2	3.0	3.0
Dec	3.9	0.5	6.8	3.0	3.3
2019 Jan	4.3	0.7	6.8	3.7	3.4
Feb	4.3	1.1	6.2	3.9	3.5
Mar	4.9	1.4	6.2	5.1	3.9
Apr	4.8	1.7	5.4	5.4	4.1
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	0.6
Oct	2.5	1.7	2.2	3.0	-
Nov	2.1	1.5	1.6	2.6	-0.4

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

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continued

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	Wholesale, retail and motor trades	Wholesale and retail trade and repair of motor vehicles and motorcycles	Wholesale trade, except of motor vehicles and motorcycles	Retail trade, except of motor vehicles and motorcycles	Transportation and storage
	G	45	46	47	H
2016 weights	131	21	44	66	52

Percentage change, latest 3 months on previous 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	-0.5
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	2.2
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	0.7
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	-0.5
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	0.1
Oct	0.5	0.2	1.2	0.2	-0.2
Nov	0.1	-0.7	1.2	-0.3	-0.3

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Rail transport	Land transport, excluding rail transport	Water transport	Air transport	Warehousing and support activities for transportation
	49.1-2	49.3-5	50	51	52
2016 weights	3	17	4	3	17
	S2L2	S2L3	S2L4	S2L5	S2L6
2014	97.8	93.8	129.9	91.2	104.5
2015	99.3	98.0	110.9	93.2	104.5
2016	100.0	100.0	100.0	100.0	100.0
2017	102.2	98.2	95.0	106.0	103.4
2018	103.4	97.0	94.1	114.8	107.9
2017 Nov	101.7	96.8	93.0	105.0	105.1
Dec	101.4	96.3	93.0	104.3	106.7
2018 Jan	101.1	97.5	93.3	103.4	107.1
Feb	101.3	95.1	93.7	103.3	107.0
Mar	101.9	94.6	93.9	104.0	105.7
Apr	102.8	95.2	93.9	111.8	106.3
May	103.6	95.3	94.1	114.9	107.6
Jun	104.1	95.4	94.4	117.6	109.8
Jul	104.4	96.5	94.7	118.7	109.0
Aug	104.4	97.6	94.9	121.2	108.2
Sep	104.3	98.4	94.6	121.7	107.6
Oct	104.3	98.0	94.2	121.5	109.1
Nov	104.4	99.4	93.8	119.2	109.4
Dec	104.7	100.9	93.6	120.4	108.2
2019 Jan	104.9	100.0	93.4	120.2	108.6
Feb	104.6	100.4	93.2	120.5	108.5
Mar	103.5	100.7	92.7	121.3	108.1
Apr	102.1	101.9	92.1	114.3	108.4
May	100.9	101.6	91.5	114.0	107.8
Jun	100.3	101.2	91.0	114.8	108.3
Jul	100.3	102.2	90.6	114.8	109.9
Aug	100.4	100.7	90.5	116.6	109.1
Sep	100.5	99.4	90.6	116.7	108.7
Oct	100.8	100.7	91.0	117.3	109.5
Nov	101.1	99.2	91.2	118.0	109.6
Percentage change, latest year on previous year					
	S228	S229	S22A	S22B	S22C
2014	4.7	6.1	-4.8	3.9	6.8
2015	1.5	4.5	-14.6	2.2	0.1
2016	0.7	2.0	-9.9	7.3	-4.3
2017	2.2	-1.8	-5.0	6.0	3.4
2018	1.2	-1.3	-1.0	8.3	4.4
Percentage change, latest month on same month a year ago					
	S26W	S26X	S26Y	S26Z	S272
2017 Nov	1.1	-3.9	-5.5	5.9	5.9
Dec	-0.3	-4.5	-4.7	4.4	5.4
2018 Jan	-2.0	-3.1	-3.6	1.3	5.0
Feb	-2.4	-5.5	-3.1	0.1	4.6
Mar	-1.3	-6.3	-3.3	-0.4	2.8
Apr	0.9	-3.9	-1.6	3.4	2.6
May	2.5	-2.9	-1.9	6.4	4.3
Jun	2.8	0.4	-1.5	8.7	7.0
Jul	2.4	-1.0	-0.4	8.6	7.7
Aug	1.6	-0.2	0.6	14.0	5.9
Sep	1.5	0.2	1.2	13.4	3.8
Oct	2.3	0.4	0.4	14.7	3.6
Nov	2.6	2.6	0.9	13.6	4.1
Dec	3.2	4.8	0.6	15.5	1.5
2019 Jan	3.7	2.5	0.1	16.2	1.4
Feb	3.3	5.6	-0.6	16.6	1.4
Mar	1.6	6.4	-1.2	16.6	2.2
Apr	-0.7	7.0	-1.9	2.2	1.9
May	-2.6	6.6	-2.7	-0.8	0.2
Jun	-3.6	6.1	-3.6	-2.4	-1.4
Jul	-3.9	5.8	-4.4	-3.3	0.8
Aug	-3.8	3.1	-4.6	-3.8	0.9
Sep	-3.6	1.0	-4.3	-4.1	1.0
Oct	-3.3	2.7	-3.5	-3.4	0.3
Nov	-3.1	-0.2	-2.8	-1.1	0.3

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IOSCOMP

IOS: Index of Services

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Rail transport	Land transport, excluding rail transport	Water transport	Air transport	Warehousing and support activities for transportation
	49.1-2	49.3-5	50	51	52
2016 weights	3	17	4	3	17

Percentage 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	0.1	-2.5	0.4	-0.1	-
Mar	0.6	-0.6	0.2	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	1.4	-0.4	-1.8	0.2
Dec	0.3	1.5	-0.3	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
Sep	0.1	-1.2	0.2	0.1	-0.4
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 months a year 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
Oct	1.8	0.1	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
Apr	1.4	6.4	-1.2	11.6	1.8
May	-0.6	6.7	-2.0	5.7	1.4
Jun	-2.3	6.6	-2.8	-0.4	0.2
Jul	-3.4	6.2	-3.6	-2.2	-0.2
Aug	-3.8	5.0	-4.2	-3.2	0.1
Sep	-3.8	3.3	-4.4	-3.7	0.9
Oct	-3.6	2.3	-4.1	-3.8	0.8
Nov	-3.3	1.2	-3.5	-2.9	0.5

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				Warehousing and support activities for transportation
	Rail transport	Land transport, excluding rail transport	Water transport	Air transport	
2016 weights	49.1-2	49.3-5	50	51	52
	3	17	4	3	17

Percentage change, latest 3 months on previous 3 months

	S2BM	S2BN	S2BO	S2BP	S2BQ
2017 Nov	0.1	0.8	-1.7	-1.7	2.6
Dec	-0.7	-1.0	-1.1	-2.4	3.3
2018 Jan	-1.0	-1.0	-0.8	-2.2	2.5
Feb	-0.8	-1.3	-0.1	-2.3	2.2
Mar	-0.3	-1.2	0.4	-1.4	0.9
Apr	0.5	-2.0	0.8	2.1	0.1
May	1.5	-1.3	0.7	6.4	-0.4
Jun	2.0	-0.5	0.6	10.8	1.2
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	0.3
Oct	0.3	2.4	0.2	3.8	-0.5
Nov	-	2.2	-0.5	1.4	-0.3
Dec	0.1	1.9	-0.9	-0.1	0.6
2019 Jan	0.3	2.1	-1.0	-1.2	0.4
Feb	0.4	1.8	-0.9	-0.4	-0.2
Mar	-0.1	0.9	-0.8	0.2	-0.5
Apr	-1.2	0.9	-1.0	-1.0	-0.4
May	-2.5	1.0	-1.4	-3.2	-0.3
Jun	-3.1	1.2	-1.7	-5.2	-0.2
Jul	-2.8	0.7	-1.8	-3.5	0.3
Aug	-1.8	-0.1	-1.6	-1.0	0.9
Sep	-0.7	-0.8	-1.1	1.4	1.0
Oct	0.1	-1.4	-0.4	2.1	0.4
Nov	0.5	-1.6	0.3	1.7	0.2

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Postal and courier activities	Accommodation and food services	Accommodation	Food and beverage service activities	Information and communication
	53	I	55	56	J
2016 weights	8	35	11	25	83
	S2L7	S2L8	S2L9	S2LA	S2LB
2014	99.8	94.4	87.2	97.6	89.8
2015	101.8	98.5	96.6	99.4	94.8
2016	100.0	100.0	100.0	100.0	100.0
2017	108.0	102.4	100.9	103.0	104.8
2018	109.4	104.9	106.1	104.3	110.1
2017 Nov	109.8	102.2	101.1	102.7	106.5
Dec	108.6	102.6	101.7	103.1	108.1
2018 Jan	107.5	103.6	102.9	103.8	107.3
Feb	107.1	102.1	101.2	102.5	106.2
Mar	107.1	103.0	104.7	102.3	108.2
Apr	106.6	104.0	104.6	103.7	108.6
May	109.9	104.7	106.1	104.1	108.8
Jun	110.0	105.3	107.6	104.3	109.0
Jul	109.4	105.9	109.6	104.3	109.1
Aug	109.7	104.7	105.7	104.3	111.8
Sep	110.0	105.1	105.4	104.9	113.3
Oct	113.0	106.3	107.5	105.8	112.1
Nov	111.8	107.2	108.6	106.7	112.9
Dec	111.0	106.8	109.8	105.5	113.8
2019 Jan	111.2	107.6	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	115.2
Apr	113.0	106.4	108.7	105.4	116.5
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 year on previous year					
	S22D	S22E	S22F	S22G	S22H
2014	-2.1	1.2	0.9	1.3	-
2015	2.1	4.4	10.8	1.9	5.6
2016	-1.8	1.5	3.5	0.6	5.4
2017	8.0	2.4	0.9	3.0	4.8
2018	1.3	2.5	5.2	1.3	5.1
Percentage change, latest month on same month a year ago					
	S273	S274	S275	S276	S277
2017 Nov	10.9	1.2	-0.3	1.9	4.3
Dec	15.6	1.9	0.6	2.4	5.1
2018 Jan	2.5	2.1	1.8	2.2	6.1
Feb	-0.1	-0.9	0.8	-1.7	4.7
Mar	0.6	0.9	4.5	-0.6	5.9
Apr	2.6	0.5	2.2	-0.2	4.5
May	2.3	1.8	5.0	0.5	4.7
Jun	1.1	3.6	8.0	1.8	2.4
Jul	-0.2	1.8	6.7	-0.3	4.1
Aug	-0.6	2.4	5.3	1.2	5.9
Sep	1.2	3.9	5.3	3.3	6.5
Oct	2.6	4.5	7.1	3.5	5.1
Nov	1.8	4.9	7.5	3.9	5.9
Dec	2.2	4.0	8.0	2.4	5.3
2019 Jan	3.5	3.9	7.1	2.6	7.5
Feb	3.2	5.7	9.1	4.2	8.6
Mar	4.4	4.0	5.4	3.4	6.5
Apr	6.1	2.4	3.9	1.7	7.3
May	0.1	1.4	0.3	1.8	6.9
Jun	-1.8	3.1	3.9	2.7	7.6
Jul	3.5	1.3	-0.8	2.3	8.1
Aug	-0.3	1.3	3.1	0.5	4.4
Sep	-0.8	0.1	2.7	-1.0	4.4
Oct	-0.9	-1.7	-1.1	-2.0	5.6
Nov	-2.6	-1.7	-0.9	-2.0	3.4

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Postal and courier activities	Accommodation and food services	Accommodation	Food and beverage service activities	Information and communication
2016 weights	53	35	11	56	83

Percentage change, latest month on previous month

	S22D	S22E	S22F	S22G	S22H
2017 Nov	-0.3	0.5	0.7	0.4	-0.1
Dec	-1.1	0.4	0.6	0.3	1.5
2018 Jan	-1.1	0.9	1.2	0.8	-0.7
Feb	-0.4	-1.4	-1.7	-1.3	-1.0
Mar	-	0.9	3.5	-0.2	1.8
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	0.1
Jul	-0.5	0.6	1.9	-	0.1
Aug	0.3	-1.2	-3.6	-	2.5
Sep	0.2	0.4	-0.2	0.7	1.3
Oct	2.8	1.1	1.9	0.8	-1.1
Nov	-1.1	0.9	1.0	0.8	0.7
Dec	-0.8	-0.4	1.1	-1.1	0.9
2019 Jan	0.2	0.8	0.4	1.0	1.4
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	0.6
Aug	-3.4	-1.2	0.3	-1.9	-1.0
Sep	-0.3	-0.8	-0.7	-0.8	1.3
Oct	2.7	-0.7	-1.8	-0.2	-
Nov	-2.8	0.9	1.2	0.8	-1.4

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

	S2GH	S2GI	S2GJ	S2GK	S2GL
2017 Nov	8.0	0.9	-	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	5.3
Mar	1.0	0.7	2.4	-	5.6
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	3.7
Aug	0.1	2.6	6.7	0.9	4.2
Sep	0.1	2.7	5.8	1.4	5.5
Oct	1.1	3.6	5.9	2.7	5.8
Nov	1.9	4.5	6.6	3.5	5.8
Dec	2.2	4.5	7.5	3.2	5.5
2019 Jan	2.5	4.3	7.5	2.9	6.3
Feb	2.9	4.5	8.0	3.0	7.1
Mar	3.7	4.5	7.2	3.4	7.6
Apr	4.6	4.0	6.1	3.1	7.5
May	3.5	2.6	3.2	2.3	6.9
Jun	1.4	2.3	2.7	2.1	7.3
Jul	0.6	1.9	1.1	2.3	7.5
Aug	0.5	1.9	2.0	1.8	6.7
Sep	0.8	0.9	1.6	0.6	5.6
Oct	-0.7	-0.1	1.5	-0.8	4.8
Nov	-1.5	-1.1	0.2	-1.7	4.5

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continued

Component	Industry components (SIC2007)				
	Postal and courier activities	Accommodation and food services	Accommodation	Food and beverage service activities	Information and communication
	53	1	55	56	J
2016 weights	8	35	11	25	83

Percentage change, latest 3 months on previous 3 months

	S2BR	S2BS	S2BT	S2BU	S2BV
2017 Nov	-	-0.9	-0.4	-1.1	0.9
Dec	-	-0.3	-0.1	-0.4	1.4
2018 Jan	-1.0	1.1	1.6	0.9	1.1
Feb	-1.7	1.1	1.4	0.9	0.7
Mar	-2.1	0.7	1.9	0.2	0.1
Apr	-1.6	0.2	1.6	-0.4	0.3
May	0.1	1.1	3.2	0.2	1.2
Jun	1.5	1.7	3.1	1.1	1.4
Jul	2.7	2.2	4.2	1.4	1.2
Aug	1.7	1.4	2.4	0.9	1.3
Sep	0.8	0.5	0.7	0.5	2.4
Oct	1.1	-	-1.5	0.7	3.1
Nov	1.7	0.9	-0.5	1.5	2.5
Dec	2.0	1.5	1.6	1.4	1.4
2019 Jan	0.4	1.8	3.1	1.2	1.5
Feb	-0.7	1.2	2.8	0.4	1.9
Mar	-0.7	0.7	1.6	0.4	2.1
Apr	0.4	-0.1	0.2	-0.2	1.5
May	0.7	-0.8	-1.5	-0.5	1.0
Jun	-0.7	-0.5	-1.2	-0.2	1.2
Jul	-1.2	0.2	-0.7	0.6	1.3
Aug	-1.2	0.7	1.3	0.4	1.1
Sep	0.2	-0.8	-0.3	-1.0	0.9
Oct	-0.2	-2.0	-1.1	-2.4	0.5
Nov	-0.2	-2.1	-2.3	-2.0	0.4

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Industry components (SIC2007)

Component	Publishing activities	Motion pictures, tv production, sound and music activities	Programming and broadcasting activities	Telecom -munications	Computer programming, consultancy and related activities
2016 weights	8	8	6	23	32
	S2LC	S2LD	KFV8	S2LE	S2LF
2014	104.6	70.9	87.5	100.6	84.8
2015	98.4	91.3	89.0	104.4	89.2
2016	100.0	100.0	100.0	100.0	100.0
2017	96.4	112.9	99.3	100.3	108.7
2018	94.8	120.6	99.6	101.3	118.0
2017 Nov	95.6	116.8	95.8	99.9	112.6
Dec	95.4	121.8	101.6	101.2	112.8
2018 Jan	93.6	117.0	102.0	100.9	113.5
Feb	95.0	114.6	98.4	100.9	111.0
Mar	96.8	119.4	101.3	100.6	113.9
Apr	95.5	119.7	98.4	101.1	114.9
May	95.2	119.1	99.2	101.5	115.3
Jun	93.2	116.0	99.0	100.1	118.0
Jul	92.5	117.8	99.2	101.2	116.9
Aug	96.1	120.7	98.9	102.2	120.9
Sep	94.0	131.6	100.5	103.0	122.1
Oct	92.4	124.0	99.9	100.5	122.5
Nov	95.6	124.4	97.3	101.5	122.8
Dec	97.4	123.1	100.6	101.7	124.8
2019 Jan	100.1	129.9	101.3	100.4	125.6
Feb	99.0	133.6	96.4	99.5	125.6
Mar	97.1	131.9	100.0	102.1	123.9
Apr	97.6	138.6	102.3	99.2	127.4
May	100.3	138.0	100.1	97.6	126.7
Jun	100.5	141.4	101.5	98.4	127.6
Jul	99.5	144.9	102.0	98.8	127.8
Aug	99.0	141.9	100.0	98.8	126.3
Sep	95.7	149.8	103.6	99.7	127.2
Oct	93.3	151.1	105.8	100.0	127.0
Nov	92.7	144.1	105.0	98.3	126.3
Percentage change, latest year on previous year	S22I	S22J	KFV7	S22K	S22L
2014	-9.6	-3.5	-0.4	-5.9	6.0
2015	-5.9	28.7	1.7	3.8	5.2
2016	1.7	9.6	12.4	-4.3	12.1
2017	-3.6	12.9	-0.7	0.3	8.7
2018	-1.7	6.8	0.3	0.9	8.6
Percentage change, latest month on same month a year ago	S278	S279	KFJ4	S27A	S27B
2017 Nov	-6.8	14.2	-7.3	-	9.3
Dec	-8.1	10.5	1.5	0.9	9.8
2018 Jan	-5.3	13.7	5.1	-1.2	12.2
Feb	-1.2	9.8	-0.3	0.4	7.1
Mar	1.6	5.3	5.5	2.4	8.3
Apr	0.7	9.0	-1.0	-0.9	7.6
May	1.3	3.5	-2.5	2.0	7.9
Jun	-6.1	-2.9	-0.1	-0.6	7.0
Jul	-5.4	11.5	4.7	-0.5	5.9
Aug	0.1	5.3	-3.7	2.7	9.7
Sep	-2.5	12.0	-0.4	3.7	9.2
Oct	-5.2	9.1	-3.3	1.5	8.6
Nov	-	6.5	1.6	1.6	9.0
Dec	2.1	1.1	-0.9	0.5	10.7
2019 Jan	7.0	11.0	-0.7	-0.5	10.7
Feb	4.2	16.6	-2.0	-1.3	13.1
Mar	0.4	10.5	-1.3	1.5	8.9
Apr	2.2	15.7	4.0	-1.9	10.8
May	5.3	15.8	0.9	-3.8	9.9
Jun	7.9	22.0	2.5	-1.7	8.2
Jul	7.6	23.0	2.8	-2.4	9.3
Aug	3.0	17.5	1.2	-3.3	4.5
Sep	1.9	13.8	3.0	-3.2	4.2
Oct	1.0	21.8	5.9	-0.6	3.6
Nov	-3.1	15.8	7.9	-3.1	2.9

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Industry components (SIC2007)					
Component	Publishing activities	Motion pictures, tv production, sound and music activities	Programming and broadcasting activities	Telecom -munications	Computer programming, consultancy and related activities
2016 weights	58	59	60	61	62
	8	8	6	23	32

Percentage change, latest month on previous month

	S22I	S22J	KFV7	S22K	S22L
2017 Nov	-1.8	2.7	-7.3	0.9	-0.2
Dec	-0.2	4.3	6.1	1.4	0.1
2018 Jan	-1.9	-3.9	0.4	-0.3	0.6
Feb	1.5	-2.1	-3.5	-	-2.2
Mar	1.8	4.2	2.9	-0.2	2.6
Apr	-1.3	0.3	-2.8	0.4	1.0
May	-0.4	-0.5	0.8	0.4	0.3
Jun	-2.1	-2.6	-0.2	-1.4	2.3
Jul	-0.7	1.6	0.2	1.2	-0.9
Aug	3.9	2.5	-0.4	1.0	3.4
Sep	-2.2	9.0	1.7	0.8	1.0
Oct	-1.7	-5.8	-0.6	-2.4	0.4
Nov	3.6	0.3	-2.6	0.9	0.2
Dec	1.9	-1.0	3.4	0.3	1.7
2019 Jan	2.8	5.5	0.7	-1.3	0.7
Feb	-1.1	2.8	-4.9	-0.9	-0.1
Mar	-1.9	-1.3	3.7	2.6	-1.3
Apr	0.5	5.0	2.4	-2.9	2.8
May	2.7	-0.4	-2.2	-1.6	-0.6
Jun	0.3	2.5	1.4	0.8	0.7
Jul	-1.0	2.5	0.5	0.5	0.1
Aug	-0.5	-2.1	-1.9	-	-1.2
Sep	-3.3	5.6	3.5	0.9	0.7
Oct	-2.5	0.8	2.2	0.3	-0.1
Nov	-0.7	-4.6	-0.8	-1.6	-0.6

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

	S2GM	S2GN	KFJ6	S2GO	S2GP
2017 Nov	-4.8	8.9	-1.7	-1.0	9.2
Dec	-5.9	12.6	-1.1	-0.6	9.0
2018 Jan	-6.8	12.8	-0.4	-0.1	10.4
Feb	-5.0	11.3	2.1	-	9.7
Mar	-1.7	9.5	3.4	0.5	9.2
Apr	0.3	8.0	1.3	0.6	7.7
May	1.2	5.9	0.6	1.1	7.9
Jun	-1.5	3.1	-1.2	0.1	7.5
Jul	-3.5	3.8	0.6	0.3	6.9
Aug	-3.8	4.4	0.2	0.5	7.5
Sep	-2.6	9.6	0.1	1.9	8.3
Oct	-2.5	8.8	-2.5	2.6	9.2
Nov	-2.6	9.2	-0.7	2.3	9.0
Dec	-1.0	5.5	-0.9	1.2	9.4
2019 Jan	3.0	6.2	-	0.5	10.1
Feb	4.4	9.4	-1.2	-0.4	11.5
Mar	3.8	12.7	-1.3	-0.1	10.9
Apr	2.2	14.2	0.2	-0.6	10.9
May	2.6	14.0	1.2	-1.4	9.9
Jun	5.1	17.8	2.5	-2.4	9.6
Jul	6.9	20.2	2.1	-2.6	9.1
Aug	6.1	20.8	2.2	-2.5	7.3
Sep	4.2	18.0	2.3	-3.0	5.9
Oct	2.0	17.6	3.4	-2.4	4.1
Nov	-0.1	17.1	5.6	-2.3	3.6

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continued

Industry components (SIC2007)

	Publishing activities	Motion pictures, tv production, sound and music activities	Programming and broadcasting activities	Telecom -munications	Computer programming, consultancy and related activities
Component	58	59	60	61	62
2016 weights	8	8	6	23	32

Percentage change, latest 3 months on previous 3 months

	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	2.1
Jun	-0.5	1.1	-1.7	0.1	3.0
Jul	-2.3	-0.2	-0.2	0.1	3.1
Aug	-2.0	-1.0	-0.6	0.1	3.4
Sep	-0.5	4.3	0.7	1.3	3.3
Oct	0.6	6.6	0.6	1.0	4.3
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	2.1
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	0.6
Jun	0.7	5.7	2.1	-2.3	1.8
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	-0.1
Oct	-4.1	4.3	1.9	1.2	-0.4
Nov	-5.8	3.9	3.6	0.6	-0.3

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IOSCOMP

IOS: Inde Telecom
Chained unifications

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Information service activities	Financial and insurance activities	Financial service activities except insurance and pension funding	Insurance, except compulsory social security	Activities auxiliary to financial services and insurance
	63	K	64	65.1-2	66
2016 weights	5	91	53	21	17
	S2LG	S2LH	S2LI	S2LJ	S2LL
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
2017 Nov	112.4	98.1	101.1	96.7	90.2
Dec	115.8	98.3	101.1	96.8	91.1
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	92.8
Apr	117.0	99.0	102.4	95.8	92.0
May	117.9	98.6	102.2	95.5	91.1
Jun	118.0	98.2	101.6	95.4	91.1
Jul	119.6	97.9	101.0	95.1	91.3
Aug	124.1	97.6	100.6	94.9	91.7
Sep	121.0	97.4	100.5	94.5	91.0
Oct	124.7	97.2	100.6	94.1	90.3
Nov	129.7	96.9	100.5	93.8	89.1
Dec	126.5	96.4	99.9	93.8	88.5
2019 Jan	136.5	96.1	99.3	93.2	89.4
Feb	142.5	95.5	98.3	93.0	89.6
Mar	139.8	94.9	97.5	92.8	89.5
Apr	137.5	94.5	97.0	92.5	88.8
May	145.0	94.5	97.1	92.4	88.9
Jun	143.5	95.0	97.8	92.6	88.7
Jul	147.7	95.5	98.6	92.8	88.8
Aug	145.6	96.1	99.3	92.8	89.7
Sep	149.3	95.9	99.5	92.6	88.7
Oct	148.9	95.4	99.1	92.1	87.6
Nov	147.1	95.1	98.7	91.9	87.7
Percentage change, latest year on previous year					
	S22M	S22N	S22O	S22P	S22R
2014	12.3	-1.0	-2.9	-2.4	8.0
2015	4.7	-3.8	-1.5	-0.1	-17.0
2016	0.5	3.8	2.3	1.3	11.4
2017	6.7	-0.9	1.8	-1.7	-8.4
2018	12.3	-1.1	-0.5	-3.1	-0.3
Percentage change, latest month on same month a year ago					
	S27C	S27D	S27E	S27F	S27H
2017 Nov	8.2	-2.9	0.7	-3.6	-13.1
Dec	11.4	-1.9	0.3	-2.2	-9.1
2018 Jan	7.7	-0.9	-1.2	-2.4	2.0
Feb	15.1	-0.4	-0.4	-2.6	2.4
Mar	12.9	-0.8	0.3	-3.2	-1.1
Apr	12.5	-0.9	0.5	-3.8	-2.2
May	11.2	-1.0	0.4	-3.9	-1.9
Jun	10.4	-1.1	-0.3	-3.6	-0.4
Jul	13.6	-1.5	-0.7	-3.3	-1.7
Aug	15.7	-1.3	-1.2	-3.0	0.9
Sep	10.3	-1.2	-1.3	-2.8	1.2
Oct	14.3	-0.8	-0.6	-2.8	1.5
Nov	15.4	-1.3	-0.6	-3.0	-1.2
Dec	9.2	-1.9	-1.2	-3.0	-2.9
2019 Jan	23.9	-2.8	-2.3	-3.6	-3.7
Feb	24.7	-4.0	-3.7	-3.7	-5.1
Mar	21.7	-4.3	-4.8	-3.6	-3.6
Apr	17.5	-4.6	-5.3	-3.5	-3.5
May	23.0	-4.2	-5.0	-3.2	-2.5
Jun	21.6	-3.3	-3.7	-2.9	-2.6
Jul	23.5	-2.4	-2.3	-2.4	-2.7
Aug	17.3	-1.6	-1.2	-2.2	-2.1
Sep	23.4	-1.5	-1.0	-2.0	-2.5
Oct	19.4	-1.9	-1.5	-2.0	-2.9
Nov	13.4	-1.8	-1.8	-2.0	-1.6

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Information service activities	Financial and insurance activities	Financial service activities except insurance and pension funding	Insurance, except compulsory social security	Activities auxiliary to financial services and insurance
2016 weights	63	K	64	65.1-2	66
	5	91	53	21	17

Percentage change, latest month on previous month

	S22M	S22N	S22O	S22P	S22R
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	-1.0
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	-0.4	-0.3	0.4
Sep	-2.5	-0.3	-0.1	-0.4	-0.7
Oct	3.1	-0.1	0.2	-0.5	-0.8
Nov	4.0	-0.4	-0.1	-0.3	-1.3
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	-0.2
Jul	2.9	0.6	0.8	0.2	0.1
Aug	-1.4	0.6	0.7	-	1.0
Sep	2.5	-0.2	0.1	-0.2	-1.1
Oct	-0.3	-0.5	-0.4	-0.5	-1.2
Nov	-1.2	-0.2	-0.3	-0.2	0.1

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

	S2GQ	S2GR	S2GS	S2GT	S2GV
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	-1.7
Jun	11.3	-1.0	0.2	-3.8	-1.5
Jul	11.7	-1.2	-0.2	-3.6	-1.3
Aug	13.2	-1.3	-0.7	-3.3	-0.4
Sep	13.2	-1.3	-1.0	-3.1	0.1
Oct	13.4	-1.1	-1.0	-2.9	1.2
Nov	13.3	-1.1	-0.8	-2.9	0.5
Dec	12.9	-1.3	-0.8	-3.0	-0.9
2019 Jan	16.0	-2.0	-1.4	-3.2	-2.6
Feb	19.1	-2.9	-2.4	-3.5	-3.9
Mar	23.4	-3.7	-3.6	-3.7	-4.1
Apr	21.3	-4.3	-4.6	-3.6	-4.1
May	20.8	-4.4	-5.0	-3.4	-3.2
Jun	20.7	-4.0	-4.7	-3.2	-2.9
Jul	22.7	-3.3	-3.7	-2.8	-2.6
Aug	20.8	-2.5	-2.4	-2.5	-2.5
Sep	21.4	-1.8	-1.5	-2.2	-2.5
Oct	20.0	-1.7	-1.3	-2.1	-2.5
Nov	18.6	-1.7	-1.4	-2.0	-2.4

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Information service activities	Financial and insurance activities	Financial service activities except insurance and pension funding	Insurance, except compulsory social security	Activities auxiliary to financial services and insurance
Component	63	K	64	65.1-2	66
2016 weights	5	91	53	21	17

Percentage change, latest 3 months on previous 3 months

	S2C2	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	3.6
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	-2.1
Jul	2.7	-1.0	-0.7	-1.0	-2.1
Aug	3.4	-1.1	-1.3	-0.8	-0.7
Sep	3.3	-1.0	-1.4	-0.8	-0.1
Oct	4.0	-0.9	-1.0	-0.9	-0.2
Nov	3.8	-0.8	-0.5	-1.1	-1.3
Dec	4.4	-0.8	-0.3	-1.0	-2.2
2019 Jan	6.2	-1.0	-0.7	-0.9	-2.2
Feb	8.0	-1.2	-1.4	-0.8	-1.1
Mar	10.0	-1.4	-2.0	-0.9	0.2
Apr	6.9	-1.6	-2.3	-0.9	0.3
May	4.2	-1.4	-2.0	-0.8	-0.1
Jun	1.7	-0.9	-1.1	-0.5	-0.8
Jul	3.9	-	0.3	-0.2	-0.5
Aug	3.5	0.9	1.5	0.2	-
Sep	3.9	1.2	1.9	0.2	0.3
Oct	1.7	0.8	1.5	-0.1	-0.1
Nov	1.9	-	0.5	-0.6	-1.2

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IOSCOMP

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seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Real estate activities	Buying, selling and renting of own or leased real estate	Imputed rent	Real estate activities on fee or contract basis	Professional, scientific and technical activities
	L	68.1-2	68.1mp	68.3	M
2016 weights	176	48	123	5	95
	S2LM	S2LN	S2LO	S2LP	S2LQ
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	103.1	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
Percentage change, latest year on previous year					
	S22S	S22T	S22U	S22V	S22W
2014	1.8	3.2	1.0	6.5	4.4
2015	2.8	4.1	2.1	8.3	4.8
2016	2.0	1.4	2.4	-0.7	3.4
2017	-1.0	1.0	-1.9	2.1	4.5
2018	0.6	1.6	0.3	-2.0	4.9
Percentage change, latest month on same month a year ago					
	S27I	S27J	S27K	S27L	S27M
2017 Nov	-1.7	1.8	-3.4	4.8	4.8
Dec	-1.1	2.2	-2.4	-2.0	4.5
2018 Jan	-0.3	1.5	-0.9	-2.3	4.7
Feb	0.2	2.0	-0.4	-0.3	4.6
Mar	0.6	2.2	-0.1	3.5	5.0
Apr	0.7	1.9	0.3	-0.2	6.5
May	0.8	2.1	0.5	-4.7	5.1
Jun	0.9	1.6	0.7	-1.3	4.5
Jul	0.9	1.7	0.8	-2.9	5.5
Aug	0.7	1.0	0.8	-3.3	4.9
Sep	0.8	1.8	0.8	-5.5	4.3
Oct	0.8	1.9	0.5	-2.6	5.6
Nov	0.5	1.0	0.4	-2.6	5.1
Dec	0.6	1.1	0.4	-1.0	3.6
2019 Jan	0.5	0.8	0.4	-0.2	0.9
Feb	0.5	0.5	0.4	1.9	3.8
Mar	0.4	1.1	0.3	-1.6	2.7
Apr	0.5	1.3	0.2	-0.7	1.0
May	0.5	1.2	0.2	3.6	1.2
Jun	0.4	1.5	0.2	-4.8	2.9
Jul	0.4	0.6	0.4	0.1	1.8
Aug	0.6	0.9	0.6	-2.0	1.6
Sep	0.9	0.9	0.8	3.1	0.9
Oct	1.0	1.3	0.9	0.2	1.5
Nov	1.1	1.6	1.0	-0.1	-

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continued

Component	Industry components (SIC2007)				
	Real estate activities	Buying, selling and renting of own or leased real estate	Imputed rent	Real estate activities on fee or contract basis	Professional, scientific and technical activities
	L	68.1-2	68.2Imp	68.3	M
2016 weights	176	48	123	5	95

Percentage change, latest month on previous month

	S22S	S22T	S22U	S22V	S22W
2017 Nov	0.2	0.4	-	0.5	1.0
Dec	-	0.2	0.1	-2.0	0.4
2018 Jan	0.2	0.3	0.1	0.1	1.5
Feb	0.1	0.1	0.1	0.3	-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
Jul	-	-0.6	0.1	3.4	0.2
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 3 months on same 3 months a year ago

	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	2.1	0.3	-0.5	5.5
Jun	0.8	1.8	0.5	-2.1	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	0.3	-0.4	2.0
Aug	0.5	1.0	0.4	-2.2	2.1
Sep	0.6	0.8	0.6	0.4	1.4
Oct	0.8	1.0	0.7	0.4	1.3
Nov	1.0	1.3	0.9	1.1	0.8

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continued

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	Real estate activities	Buying, selling and renting of own or leased real estate	Imputed rent	Real estate activities on fee or contract basis	Professional, scientific and technical activities
	L	68.1-2	68.2Imp	68.3	M
2016 weights	176	48	123	5	95

Percentage change, latest 3 months on previous 3 months

	S2C8	S2C9	S2CA	S2CB	S2CC
2017 Nov	0.1	0.3	-	0.4	1.4
Dec	0.3	0.7	0.2	-0.5	1.1
2018 Jan	0.4	0.8	0.3	-1.1	1.7
Feb	0.4	0.9	0.3	-1.7	1.4
Mar	0.4	0.7	0.3	-1.0	1.4
Apr	0.4	0.5	0.4	-1.2	0.6
May	0.3	0.5	0.4	-1.9	1.0
Jun	0.2	0.3	0.3	-1.9	0.9
Jul	0.1	0.1	0.2	-1.1	1.2
Aug	-	-0.3	0.1	0.7	1.0
Sep	-0.1	-0.1	-0.1	-0.5	1.3
Oct	-0.1	0.1	-0.1	-0.5	1.4
Nov	-	0.4	-0.2	-0.7	1.5
Dec	0.1	0.5	-0.1	1.4	1.0
2019 Jan	0.1	0.2	-	1.5	0.1
Feb	0.2	0.1	0.1	2.2	-0.7
Mar	0.2	0.1	0.2	1.1	-0.8
Apr	0.3	0.5	0.2	-	-0.1
May	0.3	0.9	0.2	-1.7	-0.2
Jun	0.2	0.9	0.1	-2.6	0.2
Jul	0.2	0.3	0.2	-1.3	0.7
Aug	-	-0.4	0.3	-1.9	1.5
Sep	0.1	-0.6	0.3	0.6	1.1
Oct	0.3	-	0.4	0.4	0.7
Nov	0.5	0.6	0.3	2.6	0.2

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continued

Component	Industry components (SIC2007)				
	Legal activities	Accounting and auditing activities	Activities of head offices; management consultancy	Architectural and engineering activities	Scientific research and development
	69.1	69.2	70	71	72
2016 weights	17	15	17	17	9
	S2LR	S2LS	S2LT	S2LU	S2LV
2014	93.9	94.9	82.4	97.7	85.2
2015	100.6	99.0	89.8	97.8	92.9
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	108.3
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
Mar	108.2	118.3	110.3	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
Percentage change, latest year on previous year					
	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
Percentage change, latest month on same month a year ago					
	S27N	S27O	S27P	S27Q	S27R
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	7.1
May	5.5	8.1	2.7	6.8	6.3
Jun	4.3	7.3	3.2	6.7	0.6
Jul	4.8	6.2	2.7	10.5	2.4
Aug	2.1	9.9	2.5	8.6	2.7
Sep	1.9	13.1	2.1	5.3	3.9
Oct	1.9	16.5	0.1	4.5	3.1
Nov	1.0	9.9	1.1	4.5	5.7
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	7.7
May	-0.7	4.4	4.3	-6.2	6.0
Jun	-0.6	7.0	6.2	-2.5	12.3
Jul	-1.9	5.9	7.1	-9.5	11.3
Aug	2.8	4.0	6.6	-7.5	7.3
Sep	1.2	2.0	4.7	-5.7	7.6
Oct	2.3	1.7	1.9	-3.0	15.0
Nov	3.4	4.1	0.4	-6.1	1.4

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2016 weights	69.1	69.2	70	71	72
	17	15	17	17	9

Percentage change, latest month 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	-3.3	-0.7	-1.5	-2.0
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
May	0.2	2.6	2.1	0.5	-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

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

	S2H3	S2H4	S2H5	S2H6	S2H7
2017 Nov	5.6	7.2	5.4	1.9	6.3
Dec	3.6	10.8	5.1	3.4	7.2
2018 Jan	2.8	12.4	3.1	5.2	4.7
Feb	2.1	13.1	1.5	6.5	2.9
Mar	2.8	10.1	0.6	6.8	-0.5
Apr	3.2	11.0	1.0	6.9	1.8
May	4.0	10.4	1.7	7.2	3.0
Jun	4.1	10.0	2.5	7.2	4.6
Jul	4.9	7.2	2.9	8.0	3.0
Aug	3.8	7.8	2.8	8.6	1.9
Sep	3.0	9.7	2.4	8.1	3.0
Oct	2.0	13.2	1.5	6.1	3.2
Nov	1.6	13.1	1.1	4.8	4.2
Dec	2.8	10.2	1.1	2.7	2.2
2019 Jan	1.3	4.4	2.1	0.2	2.8
Feb	1.9	2.4	2.8	-1.6	6.1
Mar	-0.1	2.5	3.5	-2.2	11.8
Apr	0.5	3.2	3.2	-3.5	12.8
May	-0.6	3.4	3.6	-5.3	9.5
Jun	-0.7	4.1	4.3	-5.2	8.7
Jul	-1.1	5.8	5.8	-6.1	9.9
Aug	0.1	5.6	6.6	-6.5	10.3
Sep	0.7	3.9	6.1	-7.6	8.7
Oct	2.1	2.5	4.4	-5.4	10.0
Nov	2.3	2.6	2.3	-4.9	7.9

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Legal activities	Accounting and auditing activities	Activities of head offices; management consultancy	Architectural and engineering activities	Scientific research and development
Component	69.1	69.2	70	71	72
2016 weights	17	15	17	17	9

Percentage change, latest 3 months on previous 3 months

	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	2.2
2018 Jan	1.1	5.0	1.1	4.3	2.5
Feb	0.3	5.9	-2.0	4.3	1.6
Mar	1.8	4.5	-3.5	3.4	-2.4
Apr	1.2	1.4	-2.3	1.4	-3.1
May	2.6	1.2	-0.5	1.1	-2.5
Jun	1.6	1.1	1.0	0.4	0.5
Jul	1.7	1.1	0.9	1.1	0.8
Aug	-0.1	1.2	0.7	0.9	1.5
Sep	-1.1	2.9	0.8	1.3	2.7
Oct	-2.0	5.1	1.8	-0.7	3.0
Nov	-1.1	4.3	2.9	-1.5	3.6
Dec	0.5	1.3	2.9	-2.4	1.4
2019 Jan	0.5	-3.2	1.7	-1.5	2.1
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	6.5
May	0.1	2.3	0.2	-2.7	0.7
Jun	1.0	2.8	1.7	-2.6	-2.3
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	2.8
Oct	1.2	1.9	0.4	-	3.1
Nov	1.1	1.3	-1.2	0.2	1.4

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Advertising and market research	Other professional scientific and technical activities	Veterinary activities	Administrative and support service activities	Rental and leasing activities
	73	74	75	N	77
2016 weights	13	6	2	64	14
	S2LW	S2LX	S2LY	S2LZ	S2M2
2014	93.3	102.9	95.5	93.4	89.2
2015	97.8	101.6	95.2	98.1	97.5
2016	100.0	100.0	100.0	100.0	100.0
2017	103.4	100.4	103.6	104.0	101.4
2018	111.6	101.8	107.3	108.1	104.4
2017 Nov	105.8	98.2	102.9	106.5	103.2
Dec	104.7	97.7	102.2	107.3	102.8
2018 Jan	108.5	98.7	102.3	107.7	107.8
Feb	108.9	99.6	103.1	105.9	102.9
Mar	112.6	98.6	103.9	106.4	103.8
Apr	108.6	100.1	106.5	107.0	106.5
May	110.1	99.4	105.7	107.0	103.0
Jun	111.3	102.1	107.3	108.6	105.3
Jul	110.3	104.2	108.5	108.4	102.7
Aug	111.4	104.7	109.4	108.4	103.9
Sep	111.9	104.0	109.7	108.0	103.9
Oct	114.2	102.5	110.7	110.0	103.0
Nov	115.3	104.9	110.7	110.1	104.2
Dec	116.7	102.5	109.8	109.4	105.2
2019 Jan	114.6	100.1	111.3	110.5	104.3
Feb	114.3	100.1	112.4	111.1	106.3
Mar	113.3	100.7	111.2	110.9	106.1
Apr	116.0	100.0	112.3	110.2	102.6
May	110.9	102.1	112.2	111.1	103.7
Jun	112.4	100.1	113.0	110.1	103.1
Jul	116.6	100.5	114.1	111.5	107.9
Aug	112.3	102.1	113.9	110.0	105.7
Sep	112.2	98.5	115.4	109.7	101.5
Oct	111.0	101.4	113.9	110.2	105.7
Nov	113.8	99.9	115.4	110.2	107.5
Percentage change, latest year on previous year					
	S234	S235	S236	S237	S238
2014	-1.0	11.4	4.1	8.4	4.7
2015	4.8	-1.3	-0.3	5.0	9.4
2016	2.3	-1.6	5.0	1.9	2.5
2017	3.4	0.4	3.6	4.0	1.4
2018	7.9	1.4	3.6	3.9	3.0
Percentage change, latest month on same month a year ago					
	S27S	S27T	S27U	S27V	S27W
2017 Nov	4.0	-0.1	3.4	5.3	2.3
Dec	-2.8	-1.1	-0.1	5.8	1.1
2018 Jan	8.5	1.0	-0.1	5.1	7.2
Feb	8.3	-0.5	0.6	3.6	4.7
Mar	17.5	-1.7	1.0	2.7	2.7
Apr	9.9	-1.2	7.0	6.6	6.6
May	7.0	-5.1	2.9	3.6	1.6
Jun	6.2	-0.4	0.7	4.8	4.5
Jul	5.1	5.0	3.8	4.4	0.3
Aug	3.5	4.2	2.6	4.0	2.1
Sep	0.1	2.1	4.3	2.8	3.1
Oct	10.2	1.7	5.7	4.1	-0.3
Nov	9.0	6.8	7.6	3.4	0.9
Dec	11.4	4.9	7.5	1.9	2.4
2019 Jan	5.6	1.5	8.8	2.6	-3.3
Feb	5.0	0.4	9.0	4.9	3.3
Mar	0.6	2.2	7.1	4.2	2.2
Apr	6.8	-0.1	5.4	3.0	-3.7
May	0.8	2.6	6.2	3.8	0.7
Jun	1.0	-1.9	5.3	1.3	-2.0
Jul	5.7	-3.6	5.1	2.9	5.1
Aug	0.8	-2.5	4.1	1.5	1.7
Sep	0.2	-5.3	5.2	1.5	-2.3
Oct	-2.8	-1.1	2.9	0.2	2.7
Nov	-1.3	-4.7	4.3	0.1	3.2

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Advertising and market research	Other professional scientific and technical activities	Veterinary activities	Administrative and support service activities	Rental and leasing activities
2016 weights	13	6	2	64	14

Percentage change, latest 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
Mar	-0.9	0.6	-1.0	-0.2	-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	1.3	-	1.7

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

	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
Jun	7.7	-2.2	3.5	5.0	4.2
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	1.2
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	0.7
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	-1.7
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	4.1	1.1	0.7
Nov	-1.3	-3.7	4.1	0.6	1.2

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Advertising and market research	Other professional scientific and technical activities	Veterinary activities	Administrative and support service activities	Rental and leasing activities
Component	73	74	75	N	77
2016 weights	13	6	2	64	14

Percentage change, latest 3 months on previous 3 months

	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

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Employment activities	Travel agencies and tour operators	Security and investigation activities	Services to buildings and landscape activities	Office administrative, office support and other business support activities
	78	79	80	81	82
2016 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	107.2
2018	111.5	98.6	109.0	103.9	113.7
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
Jun	112.6	101.6	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	114.7
Feb	120.5	94.3	115.3	102.1	115.7
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
Jun	119.0	92.0	113.3	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
Percentage change, latest year on previous year					
	S239	S23A	S23B	S23C	S23D
2014	13.2	5.6	-4.0	9.1	8.4
2015	3.0	6.0	0.8	1.5	5.3
2016	1.8	6.7	3.8	-1.1	0.3
2017	3.7	7.2	0.9	0.8	7.2
2018	7.5	-7.9	8.0	3.0	6.0
Percentage change, latest month on same month a year ago					
	S27X	S27Y	S27Z	S282	S283
2017 Nov	5.1	2.3	3.0	-2.8	14.0
Dec	7.5	-3.4	1.7	-0.8	16.9
2018 Jan	3.4	-8.3	2.6	5.7	12.5
Feb	3.1	-8.3	3.8	2.6	9.6
Mar	2.4	-6.2	2.7	2.6	7.5
Apr	9.3	-0.6	7.3	0.8	9.3
May	7.5	-7.5	8.7	1.3	6.7
Jun	9.6	-5.9	10.0	3.3	4.6
Jul	7.4	-6.8	14.2	7.1	7.3
Aug	7.1	-9.7	8.4	4.8	7.6
Sep	8.3	-12.1	9.7	3.0	2.4
Oct	12.1	-9.7	9.0	2.6	4.8
Nov	11.4	-10.1	6.9	2.7	2.3
Dec	8.3	-9.7	12.5	-0.1	-1.3
2019 Jan	11.7	-5.4	12.2	-0.6	1.0
Feb	13.0	-4.2	9.4	-2.6	3.4
Mar	13.8	-8.5	6.3	0.6	1.5
Apr	13.5	-6.8	4.0	5.1	-0.2
May	10.2	-5.0	5.4	0.2	3.8
Jun	5.7	-9.4	3.3	-2.1	4.7
Jul	7.6	-6.4	0.6	-0.2	0.9
Aug	6.2	-2.4	0.1	-1.2	-1.3
Sep	5.7	-3.4	-	-0.7	2.8
Oct	-1.1	-3.4	1.3	2.3	0.1
Nov	-1.0	-7.8	1.2	2.1	0.9

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2016 weights	78	79	80	81	82
	18	7	2	7	15

Percentage change, latest month on previous month

	S239	S23A	S23B	S23C	S23D
2017 Nov	1.0	1.7	2.1	-0.5	1.1
Dec	1.6	-2.5	-2.9	0.1	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

Percentage change, latest 3 months on same 3 months 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
May	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

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Employment activities	Travel agencies and tour operators	Security and investigation activities	Services to buildings and landscape activities	Office administrative, office support and other business support activities
Component	78	79	80	81	82
2016 weights	18	7	2	7	15

Percentage change, latest 3 months on previous 3 months

	S2CN	S2CO	S2CP	S2CQ	S2CR
2017 Nov	2.1	0.7	2.1	1.3	3.0
Dec	3.0	-0.3	0.7	0.8	3.3
2018 Jan	2.8	-1.4	0.5	0.3	3.5
Feb	1.7	-4.9	0.9	1.4	2.5
Mar	-0.4	-5.6	3.8	2.5	0.7
Apr	-0.8	-5.4	5.1	1.5	-0.4
May	0.1	-2.3	5.2	-	-0.2
Jun	2.8	-0.6	4.0	-0.7	0.1
Jul	4.3	-0.4	2.7	1.5	0.6
Aug	4.0	-1.1	2.2	2.3	1.0
Sep	2.0	-3.4	1.9	2.3	1.6
Oct	2.7	-3.6	0.5	0.1	1.2
Nov	4.6	-2.7	-	-0.9	-0.2
Dec	5.9	-0.6	-0.5	-2.4	-0.4
2019 Jan	4.0	0.9	1.9	-2.4	-0.8
Feb	2.0	-0.5	3.5	-2.4	0.4
Mar	1.7	-1.6	3.6	-	0.7
Apr	1.9	-3.5	1.3	1.8	0.5
May	1.5	-2.7	-0.6	3.0	0.5
Jun	-	-1.7	-0.8	1.1	0.8
Jul	-0.9	-0.9	-0.7	-0.2	2.2
Aug	-1.6	-0.4	-1.6	-0.8	0.8
Sep	-1.1	-0.2	-2.0	0.6	-0.3
Oct	-1.5	0.5	-2.0	0.9	-1.4
Nov	-0.7	-1.4	-0.5	1.5	-0.4

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IOSCOMP

IOS: Index of Services

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Public admin and defence; social security	Public admin and defence; social security	Education	Education	Human health and social work activities
	O	84	P	85	Q
2016 weights	61	61	72	85	94
	S2M8	S2M9	S2MA	S2MB	S2MC
2014	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	101.3
Mar	100.8	100.8	101.3	101.3	101.3
Apr	100.9	100.9	101.5	101.5	101.2
May	101.2	101.2	101.7	101.7	101.1
Jun	101.7	101.7	101.8	101.8	101.2
Jul	102.1	102.1	101.8	101.8	101.2
Aug	102.4	102.4	101.9	101.9	101.5
Sep	102.3	102.3	102.1	102.1	101.8
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	102.2
2019 Jan	103.0	103.0	103.4	103.4	102.2
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	102.5
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	103.3
Aug	103.6	103.6	104.6	104.6	103.6
Sep	103.6	103.6	104.8	104.8	103.8
Oct	103.6	103.6	104.8	104.8	103.9
Nov	103.6	103.6	105.2	105.2	104.0
Percentage change, latest year on previous year					
	S23E	S23F	S23G	S23H	S23I
2014	-3.2	-3.2	0.1	0.1	1.7
2015	-2.4	-2.4	1.1	1.1	1.7
2016	-1.9	-1.9	-0.8	-0.8	1.6
2017	0.8	0.8	1.2	1.2	1.0
2018	0.9	0.9	0.7	0.7	0.4
Percentage change, latest month on same month a year ago					
	S284	S285	S286	S287	S288
2017 Nov	1.0	1.0	0.8	0.8	0.2
Dec	1.1	1.1	0.5	0.5	0.5
2018 Jan	0.6	0.6	-0.4	-0.4	0.4
Feb	0.4	0.4	-0.5	-0.5	0.3
Mar	0.2	0.2	-0.1	-0.1	0.1
Apr	-0.2	-0.2	0.2	0.2	-0.2
May	-	-	0.5	0.5	-0.4
Jun	0.6	0.6	0.6	0.6	-0.3
Jul	1.4	1.4	0.8	0.8	0.1
Aug	1.7	1.7	0.8	0.8	0.4
Sep	1.6	1.6	0.9	0.9	0.7
Oct	1.3	1.3	1.4	1.4	1.6
Nov	1.1	1.1	1.7	1.7	1.4
Dec	1.4	1.4	2.0	2.0	1.2
2019 Jan	2.1	2.1	2.4	2.4	1.0
Feb	2.6	2.6	2.6	2.6	1.0
Mar	2.8	2.8	2.9	2.9	1.1
Apr	2.7	2.7	3.0	3.0	1.2
May	2.3	2.3	2.9	2.9	1.5
Jun	1.8	1.8	2.7	2.7	1.8
Jul	1.4	1.4	2.5	2.5	2.0
Aug	1.2	1.2	2.6	2.6	2.1
Sep	1.2	1.2	2.6	2.6	2.0
Oct	1.4	1.4	2.3	2.3	2.0
Nov	1.4	1.4	2.4	2.4	1.9

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Public admin and defence; compulsory social security	Public admin and defence; compulsory social security	Education	Education	Human health and social work activities
	O	84	P	85	Q
2016 weights	61	61	72	72	94

Percentage change, latest 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

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

	S2HI	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	0.4
Feb	0.7	0.7	-0.1	-0.1	0.4
Mar	0.4	0.4	-0.4	-0.4	0.3
Apr	0.2	0.2	-0.2	-0.2	0.1
May	-	-	0.2	0.2	-0.2
Jun	0.2	0.2	0.4	0.4	-0.3
Jul	0.7	0.7	0.6	0.6	-0.2
Aug	1.2	1.2	0.7	0.7	0.1
Sep	1.6	1.6	0.8	0.8	0.4
Oct	1.5	1.5	1.0	1.0	0.9
Nov	1.3	1.3	1.3	1.3	1.3
Dec	1.3	1.3	1.7	1.7	1.4
2019 Jan	1.6	1.6	2.1	2.1	1.2
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	1.3	2.5	2.5	2.0
Nov	1.4	1.4	2.4	2.4	2.0

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Public admin and defence; compulsory social security	Public admin and defence; compulsory social security	Education	Education	Human health and social work activities
	O	84	P	85	Q
2016 weights	61	61	72	72	94

Percentage change, latest 3 months on previous 3 months

	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

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seasonally adjusted 2016 = 100

continued

Industry components (SIC2007)						
Component	Human health activities	Residential care activities	Social work activities without accommodation	Arts, entertainment and recreation	Creative arts and entertainment activities	
	86	87	88	R	90	
2016 weights	64	13	17	20	5	
	S2MD	S2ME	S2MF	S2MG	S2MH	
2014	95.4	100.6	99.7	100.9	91.1	
2015	97.3	100.7	101.2	101.6	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	101.9	100.8	106.4	110.7	
Nov	102.4	102.1	100.5	105.6	108.7	
Dec	102.6	102.6	99.9	106.8	110.0	
2019 Jan	102.8	103.3	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, latest 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, latest month on same month a year ago						
	S289	S28A	S28B	S28C	S28D	
2017 Nov	-	-1.3	2.0	3.7	7.6	
Dec	0.4	-1.6	2.9	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	0.9	4.0	0.3	0.1	-1.2	
May	1.1	3.4	1.7	-0.8	4.6	
Jun	1.6	3.0	1.9	1.7	2.8	
Jul	2.0	2.8	1.3	1.8	1.1	
Aug	2.4	2.8	0.6	3.2	2.6	
Sep	2.2	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	

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Industry components (SIC2007)					
	Human health activities	Residential care activities	Social work activities without accommodation	Arts, entertainment and recreation	Creative arts and entertainment activities
Component	86	87	88	R	90
2016 weights	64	13	17	20	5

Percentage change, latest month on previous month

	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

Percentage change, latest 3 months on same 3 months 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	1.2	3.5	1.3	0.3	2.1
Jul	1.6	3.1	1.6	0.9	2.8
Aug	2.0	2.9	1.2	2.2	2.2
Sep	2.2	2.9	0.7	1.4	1.7
Oct	2.2	3.1	0.5	-	0.4
Nov	2.0	3.3	0.6	-1.3	-0.2

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continued

Industry components (SIC2007)					
	Human health activities	Residential care activities	Social work activities without accommodation	Arts, entertainment and recreation	Creative arts and entertainment activities
Component	86	87	88	R	90
2016 weights	64	13	17	20	5

Percentage change, latest 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	-0.7
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	-	1.5
May	0.5	0.7	-2.1	0.7	0.6
Jun	0.3	1.1	-2.4	1.1	-0.4
Jul	0.1	1.4	-1.7	0.4	-0.8
Aug	-0.1	1.5	-0.4	-0.4	1.0
Sep	-	1.3	0.8	-0.6	0.8
Oct	0.2	1.0	1.2	0.8	0.3
Nov	0.6	0.6	0.8	1.6	-1.3
Dec	0.7	0.5	-	2.1	0.3
2019 Jan	0.7	0.8	-0.8	1.0	-
Feb	0.5	1.2	-1.2	0.5	1.0
Mar	0.3	1.4	-0.9	-0.3	0.2
Apr	0.1	1.1	-0.2	-0.5	0.8
May	0.1	0.6	0.8	-1.1	0.6
Jun	0.2	0.2	1.4	-0.9	0.7
Jul	0.5	0.2	1.3	-0.4	1.7
Aug	0.9	0.4	0.8	1.3	1.9
Sep	1.0	0.8	0.3	0.5	0.4
Oct	0.9	1.0	0.1	-0.1	-2.1
Nov	0.6	1.0	0.2	-2.0	-3.5

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Libraries, museums and other cultural activities	Gambling and betting activities	Sports activities and recreation activities	Other service activities	Activities of membership organisations
	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	104.3	100.6	104.2	100.5	94.0
2018 Jan	104.4	102.7	101.7	101.6	95.6
Feb	101.6	104.9	99.0	100.5	97.1
Mar	106.6	106.1	98.5	102.5	97.8
Apr	105.1	106.3	100.1	102.1	98.2
May	105.7	105.9	102.8	102.2	99.2
Jun	105.0	104.9	102.1	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					
	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
Percentage change, latest month on same month a year ago					
	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	-1.7	4.0	2.7	-1.2	11.8
2019 Jan	-1.4	0.6	4.3	-2.7	11.1
Feb	5.6	-2.7	6.0	-0.8	10.6
Mar	-3.3	-4.8	9.1	-2.3	10.8
Apr	-2.8	-5.5	4.8	-2.2	11.0
May	-2.5	-5.1	-1.1	-0.7	10.3
Jun	-1.1	-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

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Libraries, museums and other cultural activities	Gambling and betting activities	Sports activities and recreation activities	Other service activities	Activities of membership organisations
2016 weights	91	92	93	S	94
	2	5	8	21	5

Percentage change, latest month on previous month

	S23O	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	0.8	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	0.4
2019 Jan	0.4	-1.2	-0.9	-0.5	1.0
Feb	4.2	-1.3	-1.0	0.8	1.1
Mar	-3.9	-0.9	2.4	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

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

	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	-	6.8
Oct	1.7	4.3	1.7	-0.8	8.9
Nov	4.0	4.1	2.2	-1.0	10.6
Dec	2.5	3.7	2.2	-0.8	11.6
2019 Jan	1.7	2.9	2.6	-1.6	11.6
Feb	0.8	0.6	4.3	-1.6	11.2
Mar	0.2	-2.3	6.5	-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
Aug	-0.1	-3.0	5.9	0.4	6.4
Sep	-0.5	-2.4	3.9	1.6	5.5
Oct	-1.1	-2.4	1.3	2.2	5.7
Nov	-4.1	-2.7	-0.7	2.8	6.6

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)				
	Libraries, museums and other cultural activities	Gambling and betting activities	Sports activities and recreation activities	Other service activities	Activities of membership organisations
Component	91	92	93	94	94
2016 weights	2	5	8	21	5

Percentage change, latest 3 months on previous 3 months

	S2D4	S2D5	S2D6	S2D7	S2D8
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	-2.6
Feb	2.9	2.0	-0.7	-0.9	0.5
Mar	2.4	3.3	-3.2	0.4	3.0
Apr	1.9	4.2	-3.6	0.6	3.6
May	2.3	3.3	-1.1	1.4	3.0
Jun	1.0	1.1	1.9	0.9	2.8
Jul	0.9	-0.8	1.8	0.8	3.8
Aug	-1.3	-1.8	-0.2	0.4	5.2
Sep	-1.3	-1.7	-0.6	-0.4	5.5
Oct	-2.2	-0.6	2.6	-0.9	4.0
Nov	0.1	0.6	4.3	-1.8	1.6
Dec	0.4	1.0	4.2	-1.7	-0.1
2019 Jan	1.1	0.2	2.0	-2.1	-0.2
Feb	-0.3	-1.4	1.4	-1.6	1.0
Mar	0.1	-2.7	0.8	-0.7	2.2
Apr	-0.1	-3.1	0.2	0.4	2.8
May	-1.4	-2.6	-1.3	1.3	2.5
Jun	-1.3	-1.6	-1.5	1.7	1.9
Jul	-0.4	-0.5	-1.6	2.3	1.4
Aug	1.5	0.4	1.4	2.6	1.2
Sep	0.3	0.9	0.4	2.4	1.3
Oct	-1.7	1.0	0.7	1.5	1.5
Nov	-3.8	0.9	-2.3	0.6	1.7

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IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)			
	Repair of computers and household goods	Other personal service activities	Activities of households as employers	Activities of households as employers
	95	96	T	97
2016 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	94.0	103.5	103.5
Mar	113.2	95.0	100.9	100.9
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, latest 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
Percentage change, latest 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
Apr	-1.2	-7.3	-4.3	-4.3
May	-2.0	-4.7	-5.0	-5.0
Jun	-5.2	-3.5	-5.5	-5.5
Jul	3.8	-2.3	-7.4	-7.4
Aug	-1.7	0.5	-7.8	-7.8
Sep	1.1	1.9	-6.4	-6.4
Oct	4.1	0.2	-5.4	-5.4
Nov	-1.4	2.4	-3.4	-3.4

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continued

Component	Industry components (SIC2007)			
	Repair of computers and household goods	Other personal service activities	Activities of households as employers	Activities of households as employers
	95	96	T	97
2016 weights	2	13	4	4

Percentage change, latest 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

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

	S2HX	S2HY	S2HZ	S2I2
2017 Nov	16.9	1.6	1.1	1.1
Dec	14.6	1.2	2.0	2.0
2018 Jan	9.1	1.5	4.0	4.0
Feb	7.3	1.7	4.9	4.9
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	1.7
Sep	-1.1	-2.5	2.3	2.3
Oct	-1.0	-4.4	4.2	4.2
Nov	0.9	-5.5	5.0	5.0
Dec	2.5	-5.9	5.5	5.5
2019 Jan	4.4	-7.4	4.3	4.3
Feb	3.6	-7.2	2.9	2.9
Mar	1.3	-7.3	0.3	0.3
Apr	-0.7	-6.7	-2.2	-2.2
May	-2.1	-6.3	-4.3	-4.3
Jun	-2.8	-5.2	-4.9	-4.9
Jul	-1.2	-3.5	-6.0	-6.0
Aug	-1.1	-1.8	-6.9	-6.9
Sep	1.0	-	-7.2	-7.2
Oct	1.2	0.9	-6.6	-6.6
Nov	1.2	1.5	-5.1	-5.1

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

IOSCOMP

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

seasonally adjusted 2016 = 100

continued

Component	Industry components (SIC2007)			
	Repair of computers and household goods	Other personal service activities	Activities of households as employers	Activities of households as employers
	95	96	T	97
2016 weights	2	13	4	4

Percentage change, latest 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 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.

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