

Statistical bulletin

# Index of Services, UK: December 2019

Monthly movements in output for the services industries.



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# 1 . Main points

- In Quarter 4 (Oct to Dec) 2019 services output increased by 0.1% compared with Quarter 3 (July to Sept) 2019.
- Education, human health and social work and real estate activities made the largest contribution to this growth, each contributing 0.05 percentage points.
- The Index of Services increased by 0.3% between November 2019 and December 2019, almost entirely reversing the decline in November.
- The information and communication sector was the largest driver of growth, contributing 0.14 percentage points.
- Services output increased by 1.3% between the fourth quarter of 2018 and the fourth quarter of 2019.
- In the 12 months to December 2019 compared with the previous 12 months, services output grew by 1.8%.

## 2 . Quarterly growth

In Quarter 4 (Oct to Dec), services output increased by 0.1% compared with Quarter 3 (July to Sept). The 0.1% quarterly growth is the weakest since Quarter 2 (Apr to June) 2016 when the growth was also 0.1% (Figure 2).

Education, human health and social work and real estate activities were the largest contributing sectors to growth each contributing 0.05 percentage points.

In wholesale and retail trade, retail trade was the only negative contributor, falling by 1%; this is the largest decline in this industry since Quarter 4 2010 when it also fell by 1%, for more information please see [Retail sales, Great Britain: December 2019](#).

**Figure 1: Education, human health and social work and real estate activities were the largest contributing sectors to quarterly growth**

Contributions to growth, seasonally adjusted, UK, Quarter 4 (Oct to Dec) compared to Quarter 3 (July to Sept) 2019

**Figure 1: Education, human health and social work and real estate activities were the largest contributing sectors to quarterly growth**

Contributions to growth, seasonally adjusted, UK, Quarter 4 (Oct to Dec) compared to Quarter 3 (July to Sept) 2019



Source: Office for National Statistics

Notes:

1. Individual contributions may not sum to the total because of rounding.

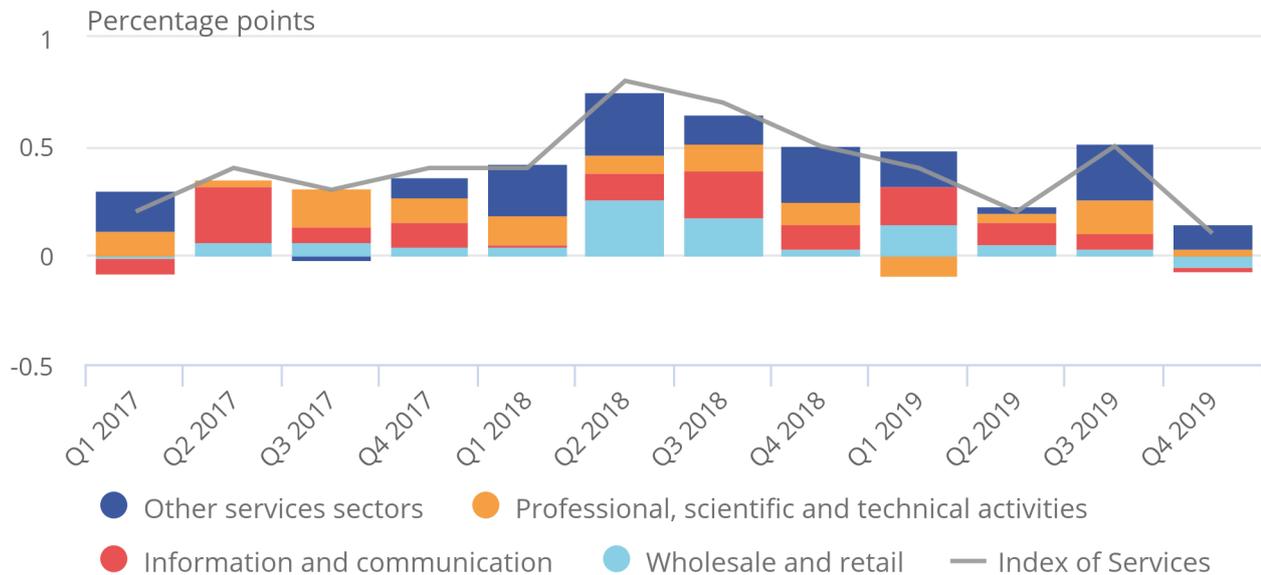
Of the 14 sectors, six saw growth in Quarter 4, with six sectors showing a decrease, and two remained flat. Positive growth and negative growth almost wholly offset each other.

## Figure 2: Quarterly services growth is the lowest since Quarter 2 (Apr to June) 2016

Quarterly Index of Services growth and sector contributions<sup>1</sup> to growth, seasonally adjusted, UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019

### Figure 2: Quarterly services growth is the lowest since Quarter 2 (Apr to June) 2016

Quarterly Index of Services growth and sector contributions<sup>1</sup> to growth, seasonally adjusted, UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019



Source: Office for National Statistics

#### Notes:

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

## 3 . Month-on-month services growth

Services output increased by 0.3% in December 2019, almost entirely reversing the negative growth of 0.4% in November 2019.

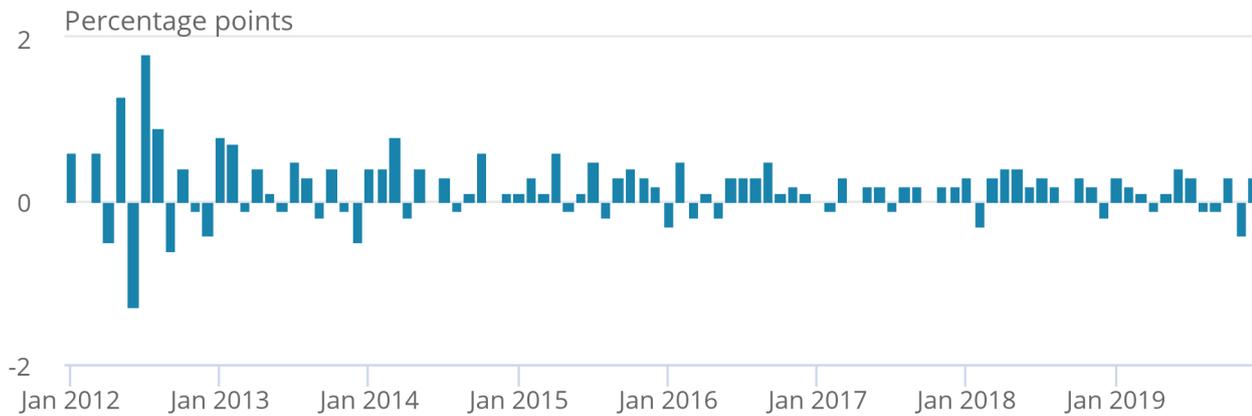
Index of Services (IoS) growth has been subdued through 2019 (Figure 3). Care should be taken when using the month-on-month growth rates as data can be volatile.

### Figure 3: Services growth remains subdued with a 0.3% growth in December 2019

Monthly Index of Services growth, seasonally adjusted, UK, January 2016 to December 2019

## Figure 3: Services growth remains subdued with a 0.3% growth in December 2019

Monthly Index of Services growth, seasonally adjusted, UK, January 2016 to December 2019



Source: Office for National Statistics

The three largest contributors to the monthly growth were: information and communication, financial and insurance activities and transportation and storage. All three sectors growths follow declines in November.

The wholesale, motor and retail trade and arts, entertainment and recreation sectors gave the only negative contributions to growth. In wholesale, retail trade both wholesale trade except for motor vehicles and retail trade contributed negatively. For more information on retail trade please see [Retail sales, Great Britain: December 2019](#). In the arts, entertainment and recreation sector sports activities gave the largest negative contribution declining 2.8%.

## 4 . Quarter 4 (Oct to Dec) 2019 compared with Quarter 4 2018

**Figure 4: Services output increased by 1.3% in quarter 4, continuing a period of subdued growth**

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

Figure 4: Services output increased by 1.3% in quarter 4, continuing a period of subdued growth

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



**Source: Office for National Statistics**

In Quarter 4 (Oct to Dec) 2019, services output increased by 1.3% compared with Quarter 4 2018, continuing the weakness throughout 2019. More information around the slowdown in three monthly growth compared with the previous year is given in [Index of Services, UK: November 2019](#) (Figure 4).

Of the 14 sectors 10 have grown since Quarter 4 2018. Four sectors declined: financial and insurance activities, activities as households as employers, accommodation and food services, and arts entertainment and recreation. The single largest negative contributing industry was architectural and engineering activities which fell by 5.1%, this follows a fall of 7.7% in Quarter 3 2019 compared with Quarter 3 2018. Positive contribution to growth was widespread among the 10 sectors with the largest positively contributing industries being motion pictures, video and TV, and education.

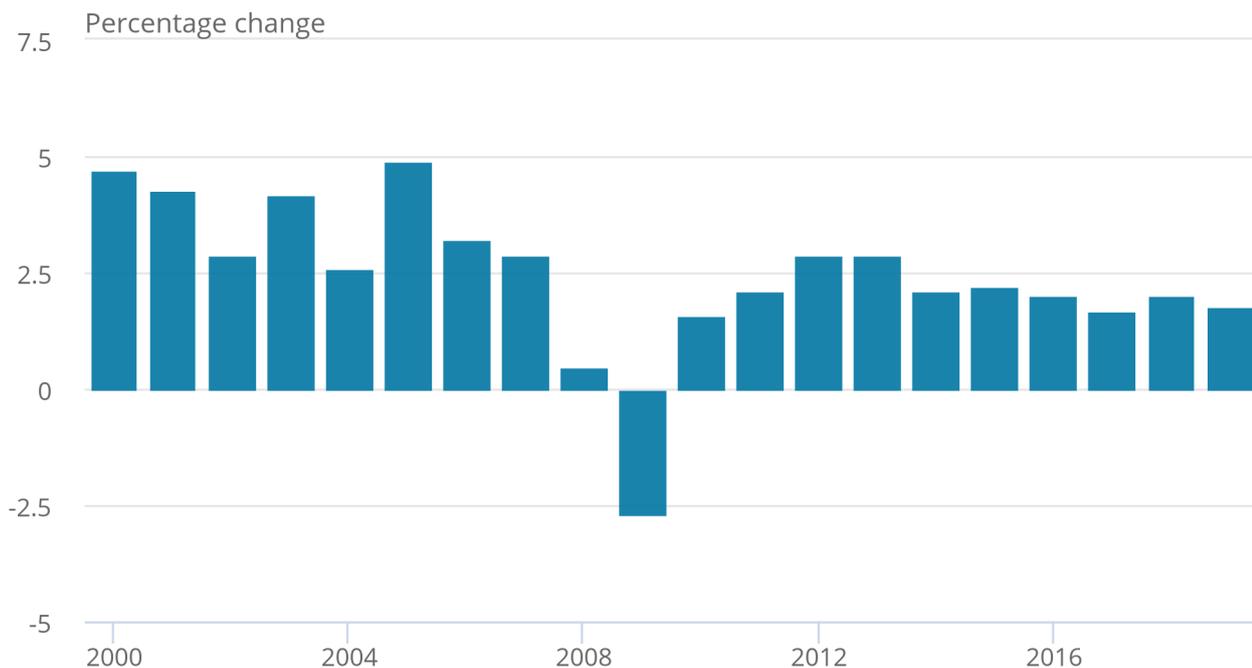
## 5 . Services output in 2019 compared with 2018

Figure 5: The Index of Services has shown growth every year except for 2009, albeit subdued in recent years

Twelve-month on a year growth, seasonally adjusted, UK, 2000 to 2019

Figure 5: The Index of Services has shown growth every year except for 2009, albeit subdued in recent years

Twelve-month on a year growth, seasonally adjusted, UK, 2000 to 2019



Source: Office for National Statistics

Services output grew 1.8% in 2019 (Figure 5), the largest contributions are from information and communication and wholesale, motor and retail trade (Figure 6), this is a continuation of subdued growth since 2013. Of the 14 sectors only two contributed negatively: financial and insurance activities, and activities of households as employers. In financial and insurance activities, most of the negative growth was contributed by financial service activities, except insurance and pension funding which declined 2.9% compared with 2018.

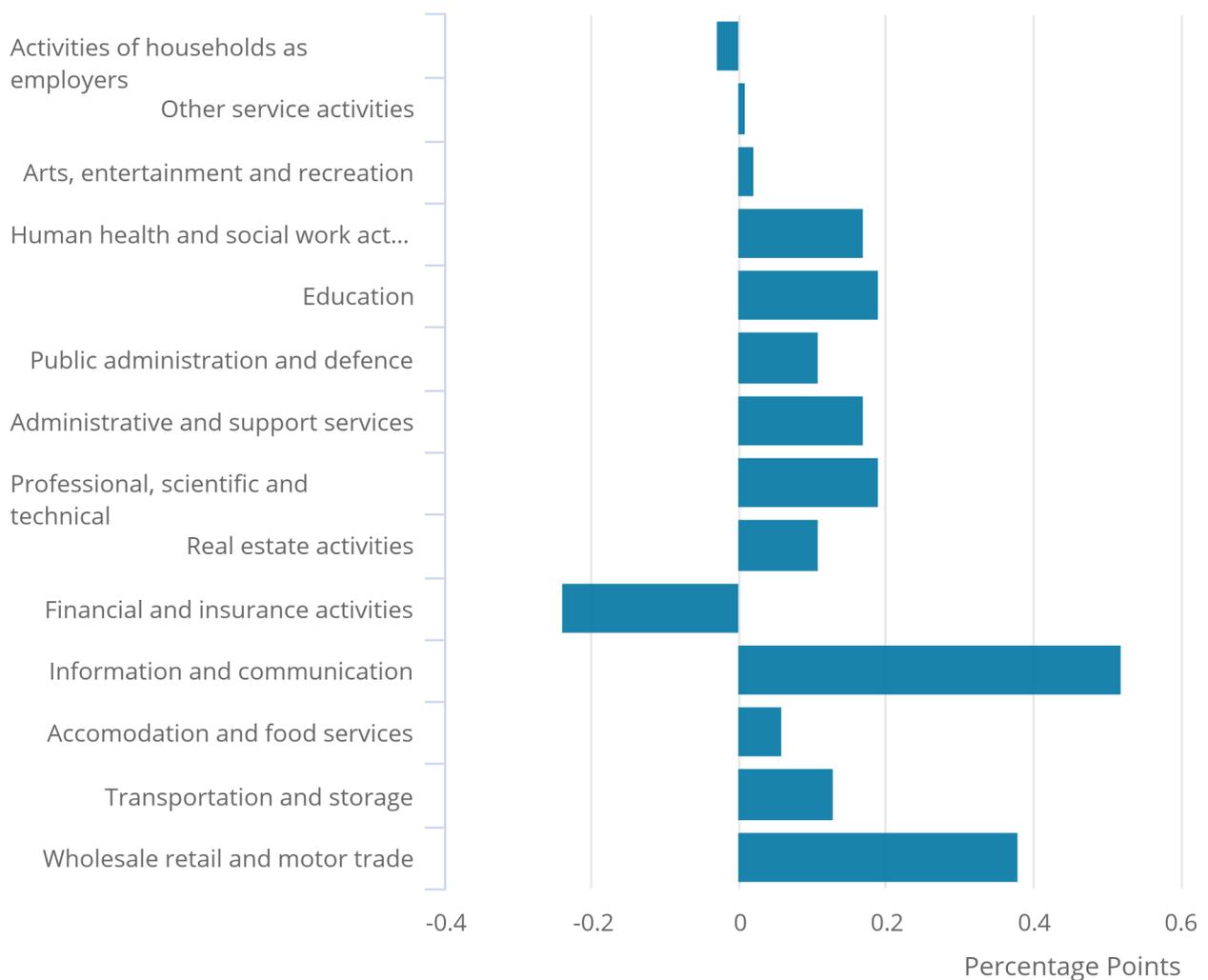
The largest industry contribution to annual growth was computer programming, consultancy and related activities which continues a long period of growth, followed closely by retail trade, except motor vehicles (for more information on retail trade, except motor vehicles please see [Retail sales, Great Britain: December 2019](#)).

**Figure 6: The largest contributions to annual growth is information and communication and wholesale, motor and retail trade. Financial activities caused the largest downward contribution**

Twelve-month on a year Index of Services growth, seasonally adjusted, UK, December 2019

Figure 6: The largest contributions to annual growth is information and communication and wholesale, motor and retail trade. Financial activities caused the largest downward contribution

Twelve-month on a year Index of Services growth, seasonally adjusted, UK, December 2019



Source: Office for National Statistics

Notes:

1. Individual contributions may not sum to the total because of rounding.

## 6 . Index of Services data

### [Index of Services time series](#)

Dataset | Dataset ID: IOS1 | Released on 11 February 2020

Monthly movements in output for the services industries: distribution, hotels and restaurants; transport, storage and communication; business services and finance; and government and other services.

### [Monthly Business Survey turnover of services industries](#)

Dataset | Released on 11 February 2020

Monthly Business Survey services industries' total turnover; current price and non-seasonally adjusted, UK.

### [Index of Services, main components and sectors to four decimal places](#)

Dataset | Released on 11 February 2020

Monthly historic movements in output for services and their industry components, by chained volume indices of gross value added, UK.

### [Index of Services revisions triangles](#)

Dataset | Released on 11 February 2020

Monthly chained volume indices in gross value added for services and its main components.

All data related to the Index of Services are available on the [Related data page](#).

## 7 . Glossary

### Index number

The index number is a measure of the average level of prices, quantities or other measurable characteristics relative to their level for a defined time period or location.

### Industrial classification or breakdown

The industrial classification or breakdown is the internationally standardised method for classifying the wide range of industrial sectors in an economy. We use the [Standard Industrial Classification 2007 \(SIC 2007\)](#) for industrial breakdowns.

### Monthly Business Survey

The Monthly Business Survey (MBS) collects information on the monthly turnover of UK businesses within the production and service sectors from various industrial sectors and regions in the UK.

### Services

Services refers to the output produced by the services industries within the UK economy. There are four main components of the services industries: distribution, hotels and restaurants; transport, storage and communication; business services and finance; and government and other services. Overall, services industries account for around 79.6% of gross domestic product (GDP).

## Turnover

The turnover of a company is the value of the goods or services sold during a particular time period. It includes total takings or invoiced sales and receipts. Interest and similar income, "other operating income", and extra ordinary income is excluded. Value Added Tax (VAT) invoiced to the customer is excluded.

## 8 . Measuring the data

### Data sources and collection

The Index of Services (IoS) is compiled using data from several different sources:

- ONS: Monthly Business Survey (42.4%)
- ONS: Retail Sales Inquiry (6.7%)
- ONS: Government Expenditure (20.1%)
- ONS: Households Expenditure (16.0%)
- ONS: Finance Expenditure (8.3%)
- Other (6.5%)

The Monthly Business Survey (MBS) data are published alongside this release in [MBS turnover in services industries](#).

Data relating to the retail industry are broadly comparable with [Retail sales, Great Britain: October 2019, published on 14 November 2019](#).

For further information on what is included within Other, please see the [GDP\(o\) data sources catalogue](#).

Percentage of each data source is based on their gross value added weight. 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](#).

From January 2018, Value Added Tax (VAT) data have also been included across 64 production industries for small- and medium-sized businesses. For more information, see [VAT turnover data in National Accounts: background and methodology](#).

### Quality and methodology

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in the [Index of Services QMI](#).

## After EU withdrawal

As the UK leaves the EU, it is important that our statistics continue to be of high quality and are internationally comparable. During the transition period, those UK statistics that align with EU practice and rules will continue to do so in the same way as before 31 January 2020.

After the transition period, we will continue to produce our national accounts statistics in line with the UK Statistics Authority's (UKSA's) [Code of Practice for Statistics](#) and in accordance with internationally agreed statistical guidance and standards.

The Withdrawal Agreement outlines a need for UK Gross National Income (a fundamental component of the national accounts, which includes gross domestic product (GDP)) statistics to remain in line with those of other EU countries until the EU budgets are finalised for the years in which we were a member. To ensure comparability during this cycle, the national accounts will continue to be produced according to [European System of Accounts \(ESA\) 2010](#) definitions and standards.

## 9 . Strengths and limitations

### Seasonal adjustment

The data published in the Index of Services (IoS) release are all seasonally adjusted. This aids interpretation by removing annually recurring fluctuations, for example, those caused by holidays or other seasonal patterns.

### Data volatility

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.

### 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](#).

More information on the strengths, limitations, accuracy and reliability of the IoS data can be found in the [Index of Services QMI](#).

## 10 . Related links

### [A comparison between official estimates of UK output and diffusion indices](#)

Article | Released 21 October 2019

The level of correlation between Office for National Statistics (ONS) data and IHS Markit and Chartered Institute of Procurement and Supply Purchasing Managers' Indices.

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

Bulletin | Released 11 February 2020

Gross domestic product (GDP) measures the value of goods and services produced in the UK. It estimates the size of and growth in the economy and includes the Index of Production (IoP), Index of Services (IoS) and construction output in Great Britain.

### [Services sector performance, UK: 2008 to 2018](#)

Article | Released 2 April 2019

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.

### [Index of Production, UK: December 2019](#)

Bulletin | Released 11 February 2020

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

## Index of Services - Publication Tables



Press this symbol within the tables to return here.

Print All Ta

<b>Metadata</b>	<b>Breakdown of metadata used in the IOS tables.</b>
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)
Table 12	IOSCOMP - Components 49 - 52 ( 3 Months on 3 Months growth)
Table 13	IOSCOMP - Components 53 - 56 (Index and Annual growth)
Table 14	IOSCOMP - Components 53 - 56 (Month on Month growth)
Table 15	IOSCOMP - Components 53 - 56 ( 3 Months on 3 Months growth)
Table 16	IOSCOMP - Components 58 - 62 (Index and Annual growth)
Table 17	IOSCOMP - Components 58 - 62 (Month on Month growth)
Table 18	IOSCOMP - Components 58 - 62 ( 3 Months on 3 Months growth)
Table 19	IOSCOMP - Components 63 - 66 (Index and Annual growth)
Table 20	IOSCOMP - Components 63 - 66 (Month on Month growth)
Table 21	IOSCOMP - components 63 - 66 ( 3 Months on 3 Months growth)
Table 22	IOSCOMP - components 68 (Index and Annual growth)
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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.

<b>Index of Services</b>
<b>G &amp; I: Distribution, hotels &amp; catering</b> H & J: Transport, storage & communications K - N: Business services & finance O - T: Government & other services
<b>G &amp; I: Distribution, hotels &amp; catering</b> <b>G: Wholesale, retail and motor trade</b> 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 <b>I: Accommodation and food services</b> 55: Accommodation 56: Food And Beverage Service Activities
<b>H &amp; J: Transport, storage &amp; communications</b> <b>H: Transportation and storage</b> 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 <b>J: Information and communication</b> <b>JA: Publishing, audiovisual and broadcasting activities</b> 58: Publishing Activities 59: Motion Picture, Video & TV Programme Production, Sound Recording & Music Publishing Activities 60: Programming And Broadcasting Activities <b>JB: Telecommunications</b> 61: Telecommunications <b>JCI: IT and other information service activities</b> 62: Computer Programming, Consultancy And Related Activities 63: Information Service Activities
<b>K - N: Business services &amp; finance</b> <b>K: Financial and insurance activities</b> 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 <b>L: Real estate activities</b> 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
<b>M-N: M &amp; N</b>

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	
<b>2016 weights</b>	<b>1000</b>	<b>167</b>	<b>135</b>	<b>426</b>	<b>272</b>	
	S2KU	S2MV	KI7B	KI7L	KI7T	
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	
2019	105.5	108.2	112.5	103.4	103.7	
2017 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	108.0	111.5	102.8	102.8	
Feb	105.1	108.1	111.7	103.1	103.0	
Mar	105.2	108.4	111.8	103.1	103.2	
Apr	105.1	108.3	112.5	102.7	103.1	
May	105.2	108.4	112.0	103.0	103.3	
Jun	105.6	108.5	112.7	103.3	103.7	
Jul	105.9	108.6	113.8	103.8	103.7	
Aug	105.8	108.5	112.4	103.7	104.2	
Sep	105.7	108.1	113.2	103.4	104.2	
Oct	106.1	108.5	113.7	104.0	104.2	
Nov	105.6	107.9	111.8	103.5	104.4	
Dec	106.0	107.5	113.5	104.0	104.5	
<b>Percentage change, latest year on previous year</b>						
	S222	S243	KI77	KI7G	KI7O	
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	
2019	1.8	2.6	4.6	0.5	1.8	
<b>Percentage change, latest month on same month a year ago</b>						
	S26Q	S28R	KI7A	KI7I	KI7Q	
2017 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	2.0	4.4	5.8	0.2	1.4	
Feb	2.6	4.5	7.0	0.9	1.8	
Mar	2.4	5.2	6.1	0.6	1.7	
Apr	2.0	4.0	6.2	-	1.5	
May	1.6	2.4	5.0	0.3	1.6	
Jun	1.9	2.5	5.3	0.5	1.8	
Jul	1.9	1.5	6.2	0.8	1.8	
Aug	1.6	1.8	3.2	0.8	2.0	
Sep	1.5	2.0	3.0	0.5	1.9	
Oct	1.5	1.6	3.8	0.6	1.7	
Nov	0.8	0.2	1.6	0.1	2.0	
Dec	1.4	0.8	2.5	1.0	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](mailto: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
<b>2016 weights</b>	<b>1000</b>	<b>167</b>	<b>135</b>	<b>426</b>	<b>272</b>
<b>Percentage change, latest month on previous month</b>					
	S222	S243	K177	K17G	K17O
2017 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	1.3	0.8	-0.2	0.1
Feb	0.2	0.1	0.2	0.3	0.3
Mar	0.1	0.3	0.1	-	0.2
Apr	-0.1	-0.1	0.7	-0.3	-0.1
May	0.1	-	-0.5	0.2	0.1
Jun	0.4	0.2	0.7	0.3	0.4
Jul	0.3	-	1.0	0.5	-
Aug	-0.1	-0.1	-1.2	-0.1	0.5
Sep	-0.1	-0.3	0.7	-0.3	-
Oct	0.3	0.3	0.4	0.6	-
Nov	-0.4	-0.5	-1.6	-0.4	0.2
Dec	0.3	-0.4	1.5	0.4	0.1
<b>Percentage change, latest 3 months on same 3 months a year ago</b>					
	S2G6	S2I7	K17C	K17J	K17R
2017 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	4.2	5.2	1.0	1.4
Feb	2.2	4.2	5.8	0.7	1.6
Mar	2.4	4.7	6.3	0.6	1.7
Apr	2.3	4.6	6.4	0.5	1.7
May	2.0	3.9	5.8	0.3	1.6
Jun	1.8	3.0	5.5	0.3	1.6
Jul	1.8	2.1	5.5	0.5	1.7
Aug	1.8	1.9	4.9	0.7	1.9
Sep	1.7	1.8	4.1	0.7	1.9
Oct	1.5	1.8	3.3	0.6	1.9
Nov	1.3	1.2	2.8	0.4	1.9
Dec	1.3	0.9	2.7	0.6	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](#)

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
<b>2016 weights</b>	<b>1000</b>	<b>167</b>	<b>135</b>	<b>426</b>	<b>272</b>
<b>Percentage change, latest 3 months on previous 3 month:</b>					
	S2BG	S2DH	KI7D	KI7K	KI7S
2017 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	0.3	0.7	1.3	-0.2	0.4
Mar	0.4	1.1	1.5	-0.3	0.5
Apr	0.4	0.7	1.1	-0.1	0.5
May	0.3	0.7	0.7	-0.1	0.4
Jun	0.2	0.2	0.7	-	0.4
Jul	0.4	0.2	0.7	0.4	0.4
Aug	0.6	0.2	0.8	0.7	0.7
Sep	0.5	-	0.7	0.6	0.6
Oct	0.3	-0.1	0.2	0.3	0.6
Nov	-	-0.3	-0.1	-	0.4
Dec	0.1	-0.4	-0.1	0.2	0.3

1 The IOS output is designated as a National Statistic.

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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](mailto:ios.enquiries@ons.gov.uk)

# RIOS1

IOS: Index of Services  
Revisions since previously published estimates

seasonally adjusted 2016 = 100

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
<b>2016 weights</b>	<b>1000</b>	<b>167</b>	<b>135</b>	<b>426</b>	<b>272</b>
	S2KU	S2MV	K17B	K17L	K17T
2015	-	-	-	-	-
2016	-	-	-	-	-
2017	-	-	-	-	-
2018	-	-	-	-	-
2019	-	-	-	-	-
2017 Nov	-	-	-	-	-
Dec	-	-	-	-	-
2018 Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2019 Jan	-	-0.1	-	-	0.1
Feb	-	-0.2	0.2	-0.1	-
Mar	0.1	-0.1	0.3	0.1	-
Apr	-	-	0.2	-	-0.1
May	-	-0.1	0.2	0.1	-0.1
Jun	0.2	-0.1	0.4	0.1	-
Jul	0.1	-0.1	0.5	0.3	-
Aug	0.1	-0.2	0.3	0.2	0.1
Sep	-	-0.3	0.3	-	0.2
Oct	0.2	-0.1	0.3	0.2	0.2
Nov	-	-0.1	-0.2	-	0.2
<b>Percentage change, latest year on previous year</b>					
	S222	S243	K177	K17G	K17O
2015	-	-	-	-	-
2016	-	-	-	-	-
2017	-	-	-	-	-
2018	-	-	-	-	-
2019	-	-	-	-	-
<b>Percentage change, latest month on same month a year ago</b>					
	S26Q	S28R	K17A	K17I	K17Q
2017 Nov	-	-	-	-	-
Dec	-	-	-	-	-
2018 Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2019 Jan	-0.1	-0.2	-0.1	-	-
Feb	-0.1	-0.2	0.1	-0.1	-
Mar	-	-0.1	0.3	-	-
Apr	0.1	-	0.2	0.1	-0.1
May	-	-0.1	0.1	0.1	-
Jun	0.1	-0.1	0.4	0.1	-
Jul	0.1	-0.2	0.5	0.2	0.1
Aug	0.1	-0.3	0.3	0.3	0.1
Sep	0.1	-0.2	0.3	-	0.2
Oct	0.1	-0.1	0.2	0.2	0.2
Nov	-	-0.1	-0.2	-	0.2

The earliest period open for revision is January 2019

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Revisions since previously published estimates

seasonally adjusted 2016 = 100

continued

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
<b>2016 weights</b>	<b>1000</b>	<b>167</b>	<b>135</b>	<b>426</b>	<b>272</b>

## Percentage change, latest month on previous month

	S222	S243	KI77	KI7G	KI7O
2017 Nov	-	-	-	-	-
Dec	-	-	-	-	-
2018 Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2019 Jan	-	-0.1	-	-	-
Feb	-	-	0.2	-	0.1
Mar	0.1	0.2	0.2	0.2	-
Apr	-	-	-	-	-0.1
May	-	-0.2	-0.1	-	-
Jun	0.1	0.1	0.3	-	0.1
Jul	-	-0.1	0.1	0.1	-
Aug	-	-0.1	-0.1	-	0.1
Sep	-0.1	0.1	-	-0.2	0.1
Oct	-	0.1	-	0.2	-
Nov	-0.1	0.1	-0.4	-0.1	-

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

	S2G6	S2I7	KI7C	KI7J	KI7R
2017 Nov	-	-	-	-	-
Dec	-	-	-	-	-
2018 Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2019 Jan	-	-0.1	-	-	-
Feb	-0.1	-0.1	-	-0.1	0.1
Mar	-	-0.1	0.1	-	-
Apr	-	-	0.2	-	-
May	-	-	0.2	0.1	-0.1
Jun	-	-	0.2	0.1	-0.1
Jul	0.1	-0.1	0.3	0.1	-
Aug	0.1	-0.2	0.4	0.2	0.1
Sep	0.1	-0.2	0.3	0.2	0.1
Oct	0.1	-0.2	0.2	0.1	0.2
Nov	0.1	-0.2	0.1	0.1	0.2

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# RIOS1

IOS: Index of Services

Revisions since previously published estimates

seasonally adjusted 2016 = 100

continued

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Industry sections (SIC2007)					
Section	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
<b>2016 weights</b>	<b>1000</b>	<b>167</b>	<b>135</b>	<b>426</b>	<b>272</b>

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**Percentage change, latest 3 months on previous 3 months**

	S2BG	S2DH	KI7D	KI7K	KI7S
2017 Nov	-	-	-	-	-
Dec	-	-	-	-	-
2018 Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2019 Jan	-	-	-	-	-
Feb	-0.1	-0.1	-	-	-
Mar	-	-0.1	0.2	-0.1	-
Apr	-	-0.1	0.2	-	-
May	-	0.1	0.1	-	-0.1
Jun	-	0.1	0.2	0.1	-
Jul	0.1	-	0.1	0.2	-
Aug	0.1	-0.1	0.2	0.2	0.2
Sep	-	-0.2	0.1	0.1	0.1
Oct	-	-0.1	-0.1	-	0.2
Nov	-0.1	-	-0.2	-0.1	0.2

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# IOSCOMP

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

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
<b>2016 weights</b>	<b>131</b>	<b>21</b>	<b>44</b>	<b>66</b>	<b>52</b>
	S2KV	S2KW	S2KX	S2KY	S2KZ
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
2019	108.7	103.0	112.8	107.7	106.2
2017 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	108.1	103.1	112.6	106.7	106.0
Feb	108.1	102.6	112.5	107.0	106.0
Mar	108.8	102.8	112.5	108.2	106.6
Apr	108.9	103.6	112.7	108.0	106.6
May	109.0	103.3	114.0	107.5	105.8
Jun	108.5	103.3	111.2	108.3	105.4
Jul	108.9	102.1	112.4	108.7	107.3
Aug	109.2	103.7	113.1	108.3	105.9
Sep	109.0	101.9	113.7	108.1	105.6
Oct	109.4	103.1	114.4	108.1	106.8
Nov	108.4	103.1	112.7	107.3	105.3
Dec	107.9	103.7	111.9	106.6	106.8
<b>Percentage change, latest year on previous year</b>					
	S223	S224	S225	S226	S227
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
2019	2.8	1.8	2.9	3.1	2.5
<b>Percentage change, latest month on same month a year ago</b>					
	S26R	S26S	S26T	S26U	S26V
2017 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	4.5	0.4	7.0	4.2	3.6
Feb	4.1	1.4	5.7	3.9	4.5
Mar	5.6	2.5	5.6	6.5	5.6
Apr	4.5	2.5	4.9	4.9	4.7
May	2.7	0.8	4.3	2.1	2.7
Jun	2.3	2.2	0.8	3.4	1.4
Jul	1.6	0.8	-0.3	3.2	3.1
Aug	2.0	1.7	1.7	2.2	1.4
Sep	2.5	3.5	2.0	2.6	1.0
Oct	2.4	1.6	2.2	2.7	1.4
Nov	0.5	1.5	-	0.6	-0.2
Dec	1.2	2.3	1.1	0.9	1.1

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# IOSCOMP

IOS: Index of Services

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

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
<b>2016 weights</b>	<b>131</b>	<b>21</b>	<b>44</b>	<b>66</b>	<b>52</b>

## Percentage change, latest month on previous month

	S223	S224	S225	S226	S227
2017 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	1.4	1.7	1.8	1.0	0.3
Feb	-	-0.5	-	0.2	-
Mar	0.6	0.2	-	1.1	0.6
Apr	0.1	0.7	0.1	-0.2	-
May	0.1	-0.3	1.1	-0.5	-0.8
Jun	-0.5	0.1	-2.4	0.7	-0.3
Jul	0.4	-1.2	1.1	0.4	1.8
Aug	0.2	1.6	0.6	-0.4	-1.3
Sep	-0.2	-1.8	0.6	-0.2	-0.3
Oct	0.4	1.2	0.6	-	1.2
Nov	-0.9	-	-1.5	-0.8	-1.5
Dec	-0.5	0.6	-0.7	-0.6	1.4

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

	S2G7	S2G8	S2G9	S2GA	S2GB
2017 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	4.2	0.6	6.7	3.6	3.6
Feb	4.1	0.8	6.2	3.8	3.9
Mar	4.8	1.4	6.1	4.9	4.6
Apr	4.7	2.1	5.4	5.1	5.0
May	4.2	1.9	4.9	4.5	4.3
Jun	3.2	1.8	3.3	3.5	2.9
Jul	2.2	1.3	1.6	2.9	2.4
Aug	1.9	1.6	0.7	2.9	2.0
Sep	2.0	2.0	1.1	2.7	1.8
Oct	2.3	2.3	2.0	2.5	1.3
Nov	1.8	2.2	1.4	2.0	0.7
Dec	1.4	1.8	1.1	1.4	0.8

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# IOSCOMP

IOS: Index of Services

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

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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
<b>2016 weights</b>	<b>131</b>	<b>21</b>	<b>44</b>	<b>66</b>	<b>52</b>

## Percentage change, latest 3 months on previous 3 months

	S2BH	S2BI	S2BJ	S2BK	S2BL
2017 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	0.7	1.4	0.4	0.8	0.9
Feb	0.6	1.9	-0.1	0.7	0.7
Mar	1.1	1.3	0.7	1.4	0.7
Apr	1.0	1.0	0.5	1.3	0.7
May	1.2	0.8	1.0	1.3	0.5
Jun	0.4	0.5	0.1	0.6	-0.2
Jul	0.2	-0.1	-	0.4	-0.2
Aug	-	-0.1	-0.7	0.5	-0.1
Sep	0.2	-0.8	0.4	0.4	0.3
Oct	0.4	-	1.1	-	-0.1
Nov	0.1	-0.4	1.2	-0.5	-0.3
Dec	-0.4	0.7	-0.1	-1.0	-

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# IOSCOMP

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

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
<b>2016 weights</b>	<b>3</b>	<b>17</b>	<b>4</b>	<b>3</b>	<b>17</b>
	S2L2	S2L3	S2L4	S2L5	S2L6
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
2019	107.1	101.0	91.2	114.7	111.2
2017 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	105.0	100.1	92.8	119.0	110.8
Feb	105.4	100.5	92.1	117.4	111.0
Mar	106.1	100.9	91.5	123.7	110.5
Apr	106.8	102.2	90.9	115.0	110.4
May	107.3	101.9	90.3	113.3	109.9
Jun	107.4	101.5	89.8	112.9	110.3
Jul	107.3	102.8	89.5	111.9	112.7
Aug	107.3	101.0	89.8	112.5	111.7
Sep	107.6	100.2	90.7	112.3	111.4
Oct	107.9	101.4	91.8	112.6	112.2
Nov	108.3	99.3	92.4	112.9	110.7
Dec	108.5	100.4	92.2	113.1	112.6
<b>Percentage change, latest year on previous year</b>					
	S228	S229	S22A	S22B	S22C
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
2019	3.5	4.1	-3.1	-0.1	3.0
<b>Percentage change, latest month on same month a year ago</b>					
	S26W	S26X	S26Y	S26Z	S272
2017 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	3.8	2.6	-0.5	15.0	3.5
Feb	4.1	5.7	-1.7	13.6	3.7
Mar	4.1	6.7	-2.6	18.9	4.5
Apr	3.9	7.3	-3.3	2.9	3.8
May	3.5	6.8	-4.0	-1.4	2.1
Jun	3.1	6.5	-4.9	-4.0	0.4
Jul	2.8	6.5	-5.5	-5.8	3.4
Aug	2.8	3.5	-5.3	-7.2	3.2
Sep	3.1	1.8	-4.1	-7.7	3.6
Oct	3.5	3.4	-2.6	-7.3	2.8
Nov	3.7	-	-1.5	-5.3	1.2
Dec	3.6	-0.5	-1.4	-6.1	4.0

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# IOSCOMP

IOS: Index of Services

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

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
2016 weights	49.1-2	49.3-5	50	51	52
	3	17	4	3	17

## Percentage change, latest month on previous month

	S228	S229	S22A	S22B	S22C
2017 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	0.3	-0.8	-0.8	-1.2	2.4
Feb	0.4	0.4	-0.8	-1.3	0.2
Mar	0.6	0.4	-0.7	5.3	-0.5
Apr	0.7	1.2	-0.7	-7.0	-0.1
May	0.5	-0.3	-0.6	-1.5	-0.4
Jun	0.1	-0.3	-0.6	-0.3	0.3
Jul	-0.1	1.2	-0.3	-0.9	2.2
Aug	-	-1.7	0.3	0.6	-0.9
Sep	0.2	-0.8	1.0	-0.2	-0.2
Oct	0.4	1.2	1.2	0.3	0.7
Nov	0.3	-2.0	0.7	0.3	-1.4
Dec	0.2	1.1	-0.2	0.2	1.7

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

	S2GC	S2GD	S2GE	S2GF	S2GG
2017 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	0.3	14.7	3.0
Feb	3.7	4.3	-0.5	14.7	2.9
Mar	4.0	5.0	-1.6	15.9	3.9
Apr	4.0	6.6	-2.5	11.6	4.0
May	3.8	7.0	-3.3	6.4	3.5
Jun	3.5	6.9	-4.1	-0.9	2.1
Jul	3.2	6.6	-4.8	-3.7	2.0
Aug	2.9	5.5	-5.2	-5.7	2.3
Sep	2.9	3.9	-5.0	-6.9	3.4
Oct	3.1	2.9	-4.0	-7.4	3.2
Nov	3.4	1.7	-2.7	-6.8	2.5
Dec	3.6	0.9	-1.8	-6.2	2.7

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# IOSCOMP

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

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
2016 weights	49.1-2 3	49.3-5 17	50 4	51 3	52 17

## Percentage change, latest 3 months on previous 3 months

	S2BM	S2BN	S2BO	S2BP	S2BQ
2017 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	-1.2	-1.6	1.1
Feb	0.7	1.9	-1.5	-1.5	1.2
Mar	1.0	1.1	-1.9	-0.3	1.7
Apr	1.3	1.1	-2.1	-0.7	1.0
May	1.6	1.2	-2.1	-1.3	0.2
Jun	1.6	1.3	-2.0	-5.2	-0.5
Jul	1.2	0.9	-1.8	-5.1	0.3
Aug	0.6	0.1	-1.3	-4.2	1.2
Sep	0.2	-0.5	-0.3	-1.3	1.6
Oct	0.3	-1.2	1.0	-0.2	0.7
Nov	0.5	-1.5	2.2	0.2	-0.1
Dec	0.8	-1.0	2.3	0.6	-0.1

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# IOSCOMP

IOS: Index of Services

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

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
<b>2016 weights</b>	<b>8</b>	<b>35</b>	<b>11</b>	<b>25</b>	<b>83</b>
	S2L7	S2L8	S2L9	S2LA	S2LB
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
2019	111.2	106.6	108.5	105.8	116.6
2017 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	110.6	107.8	110.5	106.6	115.0
Feb	110.3	108.0	110.6	106.9	115.3
Mar	112.2	106.9	110.0	105.6	115.0
Apr	113.5	106.3	108.4	105.4	116.3
May	110.4	106.0	105.9	106.0	115.9
Jun	108.4	108.7	111.4	107.6	117.3
Jul	113.9	107.3	108.4	106.8	117.9
Aug	110.0	106.0	108.5	104.9	116.5
Sep	109.7	105.0	108.6	103.4	118.0
Oct	113.0	104.8	106.3	104.2	118.0
Nov	109.6	106.2	107.6	105.6	115.9
Dec	113.2	106.1	105.4	106.5	117.7
<b>Percentage change, latest year on previous year</b>					
	S22D	S22E	S22F	S22G	S22H
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
2019	1.7	1.6	2.2	1.4	5.9
<b>Percentage change, latest month on same month a year ago</b>					
	S273	S274	S275	S276	S277
2017 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	3.0	4.1	7.4	2.6	7.1
Feb	3.0	5.8	9.4	4.3	8.5
Mar	4.7	3.8	5.1	3.2	6.3
Apr	6.5	2.3	3.6	1.7	7.1
May	0.4	1.2	-0.2	1.8	6.5
Jun	-1.4	3.3	3.5	3.1	7.6
Jul	4.1	1.3	-1.2	2.4	8.1
Aug	0.2	1.2	2.6	0.6	4.2
Sep	-0.2	-0.1	3.0	-1.4	4.2
Oct	-0.1	-1.4	-1.1	-1.5	5.3
Nov	-1.9	-1.0	-0.9	-1.0	2.7
Dec	2.0	-0.6	-4.0	0.9	3.4

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# IOSCOMP

IOS: Index of Services

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

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	25
	8	35	11	25	83

## Percentage change, latest month on previous month

	S22D	S22E	S22F	S22G	S22H
2017 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	-0.3	0.9	0.7	1.0	1.0
Feb	-0.3	0.3	0.1	0.3	0.3
Mar	1.7	-1.0	-0.6	-1.2	-0.2
Apr	1.2	-0.6	-1.4	-0.2	1.1
May	-2.8	-0.3	-2.3	0.6	-0.3
Jun	-1.8	2.6	5.2	1.5	1.2
Jul	5.1	-1.3	-2.8	-0.7	0.5
Aug	-3.4	-1.2	0.1	-1.8	-1.2
Sep	-0.2	-0.9	0.1	-1.4	1.3
Oct	3.0	-0.2	-2.2	0.8	-
Nov	-3.0	1.3	1.3	1.3	-1.7
Dec	3.2	-	-2.1	0.9	1.5

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

	S2GH	S2GI	S2GJ	S2GK	S2GL
2017 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	2.3	4.3	7.6	3.0	6.1
Feb	2.7	4.6	8.2	3.1	7.0
Mar	3.6	4.6	7.3	3.4	7.3
Apr	4.7	4.0	6.0	3.1	7.3
May	3.8	2.4	2.8	2.3	6.6
Jun	1.8	2.3	2.3	2.2	7.1
Jul	1.0	1.9	0.7	2.5	7.4
Aug	0.9	1.9	1.6	2.1	6.6
Sep	1.4	0.8	1.5	0.5	5.4
Oct	-	-0.1	1.5	-0.8	4.5
Nov	-0.7	-0.8	0.3	-1.3	4.0
Dec	-	-1.0	-2.0	-0.5	3.8

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# IOSCOMP

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

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
<b>2016 weights</b>	<b>8</b>	<b>35</b>	<b>11</b>	<b>25</b>	<b>83</b>

## Percentage change, latest 3 months on previous 3 months

	S2BR	S2BS	S2BT	S2BU	S2BV
2017 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	0.2	1.8	3.2	1.2	1.3
Feb	-0.9	1.2	2.9	0.5	1.7
Mar	-0.8	0.8	1.6	0.4	1.9
Apr	0.7	-0.2	-	-0.3	1.4
May	1.2	-1.0	-2.0	-0.6	0.9
Jun	-0.3	-0.5	-1.6	-	1.2
Jul	-1.0	0.2	-1.0	0.8	1.3
Aug	-1.1	0.9	1.2	0.7	1.3
Sep	0.4	-0.9	-0.1	-1.2	0.9
Oct	-	-1.9	-0.7	-2.5	0.4
Nov	-	-1.9	-1.8	-1.9	0.1
Dec	0.7	-0.3	-1.9	0.3	-0.2

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# IOSCOMP

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

seasonally adjusted 2016 = 100

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	
<b>2016 weights</b>	<b>8</b>	<b>8</b>	<b>6</b>	<b>23</b>	<b>32</b>	
	S2LC	S2LD	KFV8	S2LE	S2LF	
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	
2019	97.6	140.1	102.8	99.2	126.2	
2017 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	99.6	128.1	100.4	100.2	125.4	
Feb	98.7	131.7	98.9	98.9	125.9	
Mar	97.4	131.1	100.2	101.4	124.0	
Apr	97.5	136.9	102.6	99.2	127.2	
May	99.9	135.8	101.0	97.7	126.2	
Jun	101.0	140.1	102.3	98.4	128.0	
Jul	100.0	142.6	104.4	99.0	127.8	
Aug	99.6	140.6	101.1	99.0	125.8	
Sep	95.9	147.9	104.1	99.9	126.9	
Oct	94.8	151.0	105.5	100.6	125.7	
Nov	92.1	141.6	105.0	98.8	125.2	
Dec	94.9	153.3	107.5	97.7	126.7	
<b>Percentage change, latest year on previous year</b>	S22I	S22J	KFV7	S22K	S22L	
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	
2019	3.0	16.1	3.2	-2.0	6.9	
<b>Percentage change, latest month on same month a year ago</b>	S278	S279	KFJ4	S27A	S27B	
2017 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	6.5	9.5	-1.6	-0.7	10.6	
Feb	3.9	14.9	0.5	-1.9	13.5	
Mar	0.7	9.8	-1.1	0.7	8.9	
Apr	2.0	14.3	4.3	-1.8	10.7	
May	4.9	14.0	1.9	-3.7	9.4	
Jun	8.4	20.8	3.3	-1.7	8.5	
Jul	8.2	21.1	5.2	-2.2	9.3	
Aug	3.6	16.5	2.3	-3.1	4.1	
Sep	2.0	12.4	3.6	-3.0	4.0	
Oct	2.6	21.7	5.6	-	2.6	
Nov	-3.7	13.9	7.9	-2.6	2.0	
Dec	-2.6	24.5	6.9	-4.0	1.5	

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# IOSCOMP

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

seasonally adjusted 2016 = 100

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 month on previous month

	S22I	S22J	KFV7	S22K	S22L
2017 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	2.3	4.0	-0.3	-1.5	0.5
Feb	-0.9	2.8	-1.5	-1.3	0.4
Mar	-1.3	-0.4	1.3	2.5	-1.5
Apr	0.1	4.4	2.4	-2.2	2.6
May	2.5	-0.8	-1.5	-1.5	-0.8
Jun	1.1	3.2	1.3	0.7	1.5
Jul	-1.0	1.8	2.0	0.6	-0.2
Aug	-0.4	-1.4	-3.1	-	-1.6
Sep	-3.7	5.2	3.0	0.9	0.9
Oct	-1.2	2.1	1.3	0.7	-1.0
Nov	-2.8	-6.2	-0.5	-1.7	-0.4
Dec	3.0	8.2	2.4	-1.2	1.2

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

	S2GM	S2GN	KFJ6	S2GO	S2GP
2017 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	2.8	5.6	-0.3	0.5	10.1
Feb	4.1	8.4	-0.7	-0.7	11.6
Mar	3.6	11.4	-0.8	-0.6	11.0
Apr	2.2	13.0	1.2	-1.0	11.0
May	2.6	12.7	1.7	-1.6	9.7
Jun	5.1	16.3	3.1	-2.4	9.5
Jul	7.2	18.6	3.5	-2.5	9.1
Aug	6.7	19.4	3.6	-2.3	7.3
Sep	4.6	16.5	3.7	-2.8	5.7
Oct	2.7	16.8	3.8	-2.1	3.5
Nov	0.3	15.9	5.6	-1.9	2.8
Dec	-1.3	20.0	6.7	-2.2	2.0

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# IOSCOMP

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

seasonally adjusted 2016 = 100

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 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	3.6	-0.2	-0.3	-0.8	2.1
Feb	4.9	0.8	0.7	-1.3	2.4
Mar	3.6	5.2	0.5	-1.0	1.4
Apr	0.3	6.4	1.1	-1.3	1.1
May	-0.3	5.5	1.3	-0.9	0.3
Jun	0.9	5.6	2.2	-1.8	1.6
Jul	2.5	4.7	2.0	-1.5	1.3
Aug	2.0	4.8	1.3	-0.6	1.1
Sep	-1.0	4.4	1.2	0.9	-0.2
Oct	-3.6	5.0	1.0	1.5	-0.9
Nov	-6.0	4.0	2.2	1.0	-1.0
Dec	-4.6	3.4	2.7	-0.3	-0.8

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# IOSCOMP

IOS: Inde Telecom  
Chained linkages

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
<b>2016 weights</b>	<b>5</b>	<b>91</b>	<b>53</b>	<b>21</b>	<b>17</b>
	S2LG	S2LH	S2LI	S2LJ	S2LL
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
2019	142.4	95.3	98.4	92.6	88.8
2017 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	136.7	96.0	99.1	93.2	89.4
Feb	141.8	95.4	98.1	93.0	89.6
Mar	139.7	94.8	97.2	92.8	89.5
Apr	137.2	94.3	96.7	92.5	88.8
May	144.0	94.4	96.9	92.4	88.9
Jun	142.1	95.1	98.1	92.7	88.8
Jul	145.7	95.9	99.3	92.9	88.9
Aug	143.0	96.2	99.5	92.9	89.8
Sep	146.9	95.1	98.1	92.5	88.8
Oct	146.3	95.8	99.8	92.2	87.6
Nov	143.8	94.7	98.0	92.0	87.7
Dec	141.9	95.8	99.8	92.0	87.6
<b>Percentage change, latest year on previous year</b>					
	S22M	S22N	S22O	S22P	S22R
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
2019	18.9	-2.8	-2.9	-2.8	-2.8
<b>Percentage change, latest month on same month a year ago</b>					
	S27C	S27D	S27E	S27F	S27H
2017 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	24.1	-2.9	-2.4	-3.7	-3.7
Feb	24.1	-4.0	-3.9	-3.7	-5.1
Mar	21.6	-4.5	-5.1	-3.6	-3.5
Apr	17.2	-4.8	-5.6	-3.5	-3.5
May	22.2	-4.2	-5.1	-3.2	-2.5
Jun	20.4	-3.2	-3.5	-2.8	-2.5
Jul	21.9	-2.0	-1.6	-2.4	-2.6
Aug	15.2	-1.5	-1.1	-2.1	-2.1
Sep	21.4	-2.3	-2.4	-2.1	-2.5
Oct	17.3	-1.4	-0.8	-2.0	-2.9
Nov	10.8	-2.2	-2.5	-2.0	-1.7
Dec	12.2	-0.7	-0.2	-2.0	-0.9

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# IOSCOMP

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

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 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	8.1	-0.5	-0.8	-0.7	1.1
Feb	3.7	-0.6	-1.0	-0.2	0.2
Mar	-1.5	-0.6	-1.0	-0.2	-
Apr	-1.8	-0.5	-0.6	-0.3	-0.8
May	5.0	0.1	0.3	-0.1	0.1
Jun	-1.3	0.8	1.2	0.3	-0.1
Jul	2.5	0.8	1.3	0.2	0.1
Aug	-1.9	0.3	0.1	-	1.0
Sep	2.7	-1.1	-1.4	-0.4	-1.1
Oct	-0.4	0.8	1.8	-0.4	-1.3
Nov	-1.7	-1.2	-1.8	-0.3	-
Dec	-1.3	1.1	1.8	-	-

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

	S2GQ	S2GR	S2GS	S2GT	S2GV
2017 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	16.1	-2.0	-1.4	-3.2	-2.6
Feb	19.0	-3.0	-2.5	-3.5	-3.9
Mar	23.2	-3.8	-3.8	-3.7	-4.1
Apr	21.0	-4.4	-4.9	-3.6	-4.0
May	20.3	-4.5	-5.3	-3.4	-3.2
Jun	20.0	-4.1	-4.8	-3.2	-2.8
Jul	21.5	-3.1	-3.4	-2.8	-2.6
Aug	19.1	-2.2	-2.1	-2.5	-2.4
Sep	19.4	-1.9	-1.7	-2.2	-2.4
Oct	18.0	-1.8	-1.4	-2.1	-2.5
Nov	16.4	-2.0	-1.9	-2.0	-2.4
Dec	13.4	-1.5	-1.2	-2.0	-1.9

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# IOSCOMP

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

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 3 months on previous 3 months

	S2C2	S2C3	S2C4	S2C5	S2C7
2017 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	7.9	-1.3	-1.5	-0.8	-1.1
Mar	9.8	-1.5	-2.2	-0.9	0.2
Apr	6.5	-1.7	-2.5	-0.9	0.3
May	3.9	-1.5	-2.2	-0.8	-0.1
Jun	1.2	-0.8	-0.9	-0.5	-0.8
Jul	3.2	0.4	0.8	-0.2	-0.5
Aug	2.4	1.3	2.1	0.2	-
Sep	2.9	1.2	1.8	0.2	0.4
Oct	1.0	0.6	1.0	-0.1	-0.1
Nov	1.4	-0.6	-0.4	-0.6	-1.2
Dec	-0.8	-0.3	0.2	-0.8	-1.7

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# IOSCOMP

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

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
<b>2016 weights</b>	<b>176</b>	<b>48</b>	<b>123</b>	<b>5</b>	<b>95</b>
	S2LM	S2LN	S2LO	S2LP	S2LQ
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
2019	100.3	103.9	98.9	101.3	111.8
2017 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	101.9	109.8
Feb	100.0	102.9	98.7	103.8	110.9
Mar	100.1	103.6	98.7	100.0	110.9
Apr	100.2	104.0	98.7	99.5	110.3
May	100.4	104.3	98.7	102.5	110.4
Jun	100.2	104.1	98.9	97.3	112.1
Jul	100.3	103.5	99.0	101.1	112.5
Aug	100.3	103.6	99.1	99.9	112.8
Sep	100.4	103.7	99.1	101.9	112.6
Oct	100.7	104.6	99.1	102.0	113.6
Nov	100.6	104.4	99.0	102.1	112.5
Dec	100.7	104.8	99.0	103.2	112.9
<b>Percentage change, latest year on previous year</b>					
	S22S	S22T	S22U	S22V	S22W
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
2019	0.7	1.2	0.4	1.1	1.9
<b>Percentage change, latest month on same month a year ago</b>					
	S27I	S27J	S27K	S27L	S27M
2017 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	0.7	0.4	0.5	1.0
Feb	0.5	0.5	0.4	2.0	3.5
Mar	0.4	1.1	0.3	-1.4	2.7
Apr	0.5	1.2	0.2	0.2	1.1
May	0.6	1.2	0.1	4.5	1.3
Jun	0.5	1.7	0.2	-4.0	3.1
Jul	0.6	0.8	0.4	1.4	2.1
Aug	0.7	1.1	0.6	0.2	2.2
Sep	0.9	1.1	0.7	4.2	1.7
Oct	0.9	1.3	0.7	1.7	1.9
Nov	0.9	1.5	0.7	1.4	0.5
Dec	0.9	1.6	0.6	2.9	1.7

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# IOSCOMP

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

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	68.2Imp	68.3	M
<b>2016 weights</b>	<b>176</b>	<b>48</b>	<b>123</b>	<b>5</b>	<b>95</b>

## Percentage change, latest month on previous month

	S22S	S22T	S22U	S22V	S22W
2017 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	1.6	-1.1
Feb	0.1	-0.1	0.1	1.8	1.0
Mar	0.1	0.7	-	-3.7	-
Apr	0.1	0.4	-	-0.5	-0.6
May	0.2	0.3	-	3.0	0.1
Jun	-0.1	-0.2	0.1	-5.0	1.6
Jul	0.1	-0.6	0.1	3.8	0.3
Aug	0.1	0.1	0.1	-1.2	0.3
Sep	0.1	0.1	-	2.0	-0.2
Oct	0.2	0.9	-	0.1	0.9
Nov	-0.1	-0.2	-	0.1	-0.9
Dec	0.1	0.4	-	1.1	0.3

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

	S2GW	S2GX	S2GY	S2GZ	S2H2
2017 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	-1.1	3.2
Feb	0.5	0.8	0.4	0.5	2.7
Mar	0.5	0.8	0.4	0.4	2.4
Apr	0.5	0.9	0.3	0.3	2.4
May	0.5	1.2	0.2	1.0	1.7
Jun	0.5	1.4	0.2	0.2	1.8
Jul	0.5	1.2	0.3	0.6	2.1
Aug	0.6	1.2	0.4	-0.8	2.5
Sep	0.7	1.0	0.6	1.9	2.0
Oct	0.8	1.2	0.7	2.0	2.0
Nov	0.9	1.3	0.7	2.4	1.4
Dec	0.9	1.5	0.6	2.0	1.4

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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	68.2Imp	68.3	M
<b>2016 weights</b>	<b>176</b>	<b>48</b>	<b>123</b>	<b>5</b>	<b>95</b>

## Percentage change, latest 3 months on previous 3 months

	S2C8	S2C9	S2CA	S2CB	S2CC
2017 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	-	1.7	0.1
Feb	0.2	0.1	0.2	2.4	-0.8
Mar	0.2	0.1	0.2	1.5	-0.9
Apr	0.3	0.5	0.2	0.1	-0.2
May	0.3	0.9	0.1	-1.3	-
Jun	0.3	0.9	0.1	-2.1	0.4
Jul	0.2	0.4	0.2	-0.8	0.9
Aug	0.1	-0.2	0.3	-1.2	1.8
Sep	0.1	-0.5	0.3	1.2	1.5
Oct	0.2	-	0.2	1.0	1.2
Nov	0.3	0.5	0.1	2.6	0.4
Dec	0.3	1.0	-	1.5	0.3

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# IOSCOMP

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

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
	69.1	69.2	70	71	72
<b>2016 weights</b>	<b>17</b>	<b>15</b>	<b>17</b>	<b>17</b>	<b>9</b>
	S2LR	S2LS	S2LT	S2LU	S2LV
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
2019	110.4	122.7	112.2	103.1	119.6
2017 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	106.8	115.5	110.3	105.5	112.9
Feb	108.5	116.9	109.3	105.8	122.5
Mar	109.3	119.6	109.7	105.3	119.2
Apr	109.1	118.7	109.0	102.2	117.3
May	109.5	121.8	111.2	102.4	114.0
Jun	110.1	123.3	113.4	104.5	120.0
Jul	108.6	124.9	114.2	101.1	121.5
Aug	112.2	125.4	114.8	102.6	118.3
Sep	111.1	124.6	115.0	101.5	124.2
Oct	112.6	127.0	113.6	103.4	128.3
Nov	113.6	126.0	113.1	101.3	119.5
Dec	113.7	128.6	113.2	101.7	118.1
<b>Percentage change, latest year on previous year</b>					
	S22X	S22Y	S22Z	S232	S233
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
2019	2.1	5.0	3.5	-5.2	10.3
<b>Percentage change, latest month on same month a year ago</b>					
	S27N	S27O	S27P	S27Q	S27R
2017 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	-1.1	-0.6	3.1	-3.5	4.2
Feb	2.9	4.1	2.9	-1.7	15.4
Mar	0.6	6.0	3.5	-2.7	14.4
Apr	0.4	2.2	1.5	-6.7	8.7
May	0.3	5.6	3.4	-6.4	7.0
Jun	0.6	8.5	5.4	-2.9	13.3
Jul	-0.8	7.5	6.4	-9.5	12.1
Aug	5.0	5.6	6.2	-7.3	8.3
Sep	3.7	3.5	5.1	-6.2	11.5
Oct	4.6	2.6	2.6	-3.9	16.8
Nov	5.7	5.5	0.8	-7.4	5.0
Dec	3.1	10.2	1.8	-4.0	7.4

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	Legal activities	Accounting and auditing activities	Activities of head offices; management consultancy	Architectural and engineering activities	Scientific research and development
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 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	-3.2	-1.0	-0.8	-0.4	2.7
Feb	1.6	1.2	-0.9	0.3	8.5
Mar	0.7	2.3	0.3	-0.4	-2.7
Apr	-0.2	-0.7	-0.6	-3.0	-1.5
May	0.3	2.6	2.0	0.2	-2.8
Jun	0.6	1.3	2.0	2.0	5.2
Jul	-1.3	1.2	0.8	-3.2	1.2
Aug	3.2	0.4	0.5	1.5	-2.6
Sep	-0.9	-0.6	0.2	-1.1	5.0
Oct	1.3	1.9	-1.2	1.9	3.3
Nov	0.9	-0.8	-0.4	-2.0	-6.8
Dec	0.1	2.1	0.1	0.4	-1.2

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

	S2H3	S2H4	S2H5	S2H6	S2H7
2017 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	1.8	4.5	2.1	-	2.6
Feb	2.4	2.6	2.7	-2.0	5.7
Mar	0.8	3.1	3.2	-2.7	11.3
Apr	1.3	4.1	2.7	-3.7	12.8
May	0.5	4.6	2.8	-5.3	10.0
Jun	0.4	5.4	3.4	-5.4	9.7
Jul	-	7.2	5.1	-6.3	10.8
Aug	1.6	7.2	6.0	-6.6	11.2
Sep	2.6	5.5	5.9	-7.7	10.7
Oct	4.4	3.9	4.6	-5.8	12.2
Nov	4.7	3.8	2.8	-5.9	11.1
Dec	4.5	6.0	1.7	-5.1	9.7

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# IOSCOMP

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

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
<b>2016 weights</b>	<b>17</b>	<b>15</b>	<b>17</b>	<b>17</b>	<b>9</b>

## Percentage change, latest 3 months on previous 3 months

	S2CD	S2CE	S2CF	S2CG	S2CH
2017 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	0.9	-3.1	1.7	-1.8	1.9
Feb	1.1	-4.0	-0.5	-2.5	3.1
Mar	-0.2	-2.2	-1.5	-2.0	6.3
Apr	0.7	1.0	-1.7	-2.4	6.6
May	0.7	3.1	-0.3	-2.3	1.5
Jun	1.2	3.4	1.3	-2.3	-0.9
Jul	0.4	4.2	3.3	-1.7	-1.0
Aug	0.9	3.8	3.8	-0.5	2.6
Sep	1.0	3.0	3.2	-1.3	3.6
Oct	2.3	1.9	1.4	-0.2	4.3
Nov	1.9	1.1	-0.2	-0.7	3.4
Dec	2.4	1.8	-1.2	0.4	0.6

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# IOSCOMP

IOS: Index of Services

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

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
<b>2016 weights</b>	<b>13</b>	<b>6</b>	<b>2</b>	<b>64</b>	<b>14</b>
	S2LW	S2LX	S2LY	S2LZ	S2M2
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
2019	112.5	99.2	113.6	110.8	105.7
2017 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	114.4	100.0	112.2	110.4	104.2
Feb	113.2	99.4	112.8	111.1	106.5
Mar	112.0	99.6	111.7	111.3	106.3
Apr	114.9	99.1	112.8	110.6	103.3
May	109.8	101.0	112.6	111.2	103.5
Jun	111.4	99.0	113.4	110.3	103.8
Jul	116.4	99.1	114.6	111.8	108.6
Aug	112.0	101.4	114.5	110.2	106.3
Sep	111.4	97.1	116.0	109.6	102.1
Oct	109.7	99.2	113.9	110.5	106.7
Nov	111.8	98.0	115.6	110.8	108.3
Dec	112.4	96.9	112.9	111.5	108.9
<b>Percentage change, latest year on previous year</b>					
	S234	S235	S236	S237	S238
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
2019	0.7	-2.6	5.9	2.5	1.3
<b>Percentage change, latest month on same month a year ago</b>					
	S27S	S27T	S27U	S27V	S27W
2017 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	5.4	1.3	9.7	2.5	-3.4
Feb	4.0	-0.2	9.4	4.9	3.4
Mar	-0.5	1.1	7.5	4.6	2.4
Apr	5.8	-1.0	5.9	3.4	-3.0
May	-0.2	1.5	6.5	3.9	0.5
Jun	0.1	-3.0	5.7	1.6	-1.4
Jul	5.5	-4.9	5.6	3.1	5.7
Aug	0.5	-3.1	4.7	1.7	2.3
Sep	-0.4	-6.6	5.7	1.5	-1.8
Oct	-3.9	-3.3	2.9	0.4	3.6
Nov	-3.1	-6.6	4.5	0.6	4.0
Dec	-3.7	-5.4	2.8	1.9	3.5

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# IOSCOMP

IOS: Index of Services

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

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	73	74	75	N	77
	13	6	2	64	14

## Percentage change, latest month on previous month

	S234	S235	S236	S237	S238
2017 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	-2.0	-2.5	2.2	0.9	-1.0
Feb	-1.0	-0.6	0.5	0.7	2.2
Mar	-1.1	0.2	-1.0	0.2	-0.1
Apr	2.6	-0.5	1.0	-0.7	-2.8
May	-4.4	1.9	-0.2	0.5	0.2
Jun	1.4	-1.9	0.7	-0.8	0.3
Jul	4.5	0.1	1.0	1.3	4.6
Aug	-3.8	2.4	-	-1.4	-2.2
Sep	-0.5	-4.3	1.3	-0.5	-3.9
Oct	-1.5	2.1	-1.8	0.7	4.5
Nov	1.9	-1.2	1.5	0.4	1.5
Dec	0.5	-1.1	-2.4	0.6	0.6

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

	S2H8	S2H9	S2HA	S2HB	S2HC
2017 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	8.6	4.3	8.2	2.6	-0.1
Feb	6.9	2.0	8.9	3.1	0.8
Mar	2.9	0.7	8.9	4.0	0.8
Apr	3.1	-	7.6	4.3	0.9
May	1.7	0.5	6.6	4.0	-
Jun	1.9	-0.8	6.0	2.9	-1.3
Jul	1.8	-2.2	5.9	2.9	1.6
Aug	2.0	-3.7	5.3	2.1	2.2
Sep	1.8	-4.9	5.3	2.1	2.1
Oct	-1.3	-4.3	4.4	1.2	1.4
Nov	-2.5	-5.5	4.4	0.8	1.9
Dec	-3.5	-5.1	3.4	1.0	3.7

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

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
<b>2016 weights</b>	<b>13</b>	<b>6</b>	<b>2</b>	<b>64</b>	<b>14</b>

## Percentage change, latest 3 months on previous 3 months

	S2CI	S2CJ	S2CK	S2CL	S2CM
2017 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	2.6	-1.2	0.9	1.1	0.9
Feb	0.9	-3.0	1.2	0.8	1.6
Mar	-1.9	-3.5	1.7	1.0	1.5
Apr	-1.8	-3.0	1.4	1.0	0.8
May	-2.2	-0.8	0.7	0.7	-0.9
Jun	-1.0	-	0.6	-0.2	-2.0
Jul	-0.7	0.3	1.0	0.1	-0.1
Aug	0.9	-	1.6	-0.3	1.8
Sep	1.1	-0.5	1.9	-0.2	2.0
Oct	-1.3	-0.5	1.1	-0.9	-0.3
Nov	-2.0	-1.8	0.9	-0.4	-0.5
Dec	-1.7	-1.2	-0.8	0.4	2.2

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# IOSCOMP

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

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
<b>2016 weights</b>	<b>18</b>	<b>7</b>	<b>2</b>	<b>7</b>	<b>15</b>
	S2M3	S2M4	S2M5	S2M6	S2M7
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
2019	120.0	92.8	113.0	104.8	115.1
2017 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	119.5	97.3	114.2	102.4	114.4
Feb	120.8	94.4	113.8	101.9	115.3
Mar	121.8	92.7	113.8	104.7	114.8
Apr	121.8	94.1	114.3	105.3	113.5
May	121.1	93.4	114.9	104.0	117.6
Jun	119.3	91.9	113.9	102.2	117.3
Jul	120.5	92.4	113.0	105.4	115.9
Aug	118.3	94.4	110.6	104.3	114.0
Sep	119.7	91.7	111.8	104.9	114.7
Oct	117.8	92.9	110.4	107.7	114.5
Nov	119.2	89.6	111.8	106.7	114.8
Dec	120.7	88.4	112.9	107.7	114.9
<b>Percentage change, latest year on previous year</b>					
	S239	S23A	S23B	S23C	S23D
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
2019	7.7	-5.9	3.7	0.9	1.3
<b>Percentage change, latest month on same month a year ago</b>					
	S27X	S27Y	S27Z	S282	S283
2017 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	11.8	-5.9	11.0	-0.5	0.7
Feb	13.3	-4.1	8.0	-2.8	3.0
Mar	14.7	-8.1	6.9	0.9	1.6
Apr	14.2	-6.7	4.6	4.3	0.1
May	10.8	-5.2	6.0	0.1	3.8
Jun	5.9	-9.5	3.9	-2.1	4.7
Jul	8.3	-6.5	1.1	-0.5	0.7
Aug	6.8	-2.4	0.6	-1.1	-1.8
Sep	6.2	-3.7	0.1	-0.1	1.4
Oct	-0.5	-3.5	0.6	3.4	-0.8
Nov	0.3	-8.1	1.7	2.8	0.8
Dec	2.8	-7.3	0.6	6.6	1.4

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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
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 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	1.8	2.0	1.7	1.3	0.9
Feb	1.2	-3.0	-0.3	-0.5	0.8
Mar	0.8	-1.9	-	2.8	-0.4
Apr	-	1.6	0.4	0.5	-1.2
May	-0.6	-0.8	0.5	-1.2	3.6
Jun	-1.5	-1.6	-0.8	-1.8	-0.3
Jul	1.0	0.5	-0.8	3.2	-1.2
Aug	-1.8	2.2	-2.1	-1.1	-1.7
Sep	1.1	-2.9	1.1	0.5	0.6
Oct	-1.6	1.3	-1.3	2.7	-0.2
Nov	1.2	-3.6	1.3	-0.9	0.3
Dec	1.2	-1.3	1.0	0.9	0.2

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

	S2HD	S2HE	S2HF	S2HG	S2HH
2017 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	10.5	-8.6	10.1	0.7	0.5
Feb	11.1	-6.6	10.4	-1.1	0.8
Mar	13.3	-6.0	8.6	-0.8	1.8
Apr	14.1	-6.3	6.5	0.7	1.6
May	13.2	-6.7	5.8	1.7	1.8
Jun	10.3	-7.2	4.8	0.7	2.9
Jul	8.3	-7.1	3.7	-0.9	3.0
Aug	7.0	-6.2	1.9	-1.2	1.2
Sep	7.1	-4.2	0.6	-0.6	0.1
Oct	4.1	-3.2	0.4	0.7	-0.4
Nov	1.9	-5.1	0.8	2.0	0.5
Dec	0.9	-6.3	1.0	4.3	0.4

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# IOSCOMP

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

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
<b>2016 weights</b>	<b>18</b>	<b>7</b>	<b>2</b>	<b>7</b>	<b>15</b>

## Percentage change, latest 3 months on previous 3 months

	S2CN	S2CO	S2CP	S2CQ	S2CR
2017 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	0.7	1.5	-2.4	-0.8
Feb	2.2	-0.6	2.7	-2.4	0.2
Mar	2.1	-1.6	3.0	-	0.5
Apr	2.4	-3.1	1.6	1.5	0.6
May	1.9	-2.4	0.8	2.9	0.9
Jun	-	-1.7	0.4	0.8	1.1
Jul	-1.0	-1.2	-	-0.1	2.1
Aug	-1.8	-0.5	-1.6	-0.7	0.3
Sep	-1.0	-0.3	-2.2	1.0	-1.1
Oct	-1.4	0.5	-2.6	1.7	-2.2
Nov	-0.4	-1.6	-1.1	2.4	-0.9
Dec	-0.2	-2.7	-0.1	2.4	-0.1

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# IOSCOMP

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

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
<b>2016 weights</b>	<b>61</b>	<b>61</b>	<b>72</b>	<b>72</b>	<b>94</b>
	S2M8	S2M9	S2MA	S2MB	S2MC
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
2019	103.5	103.5	104.7	104.7	103.4
2017 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	102.4
Feb	103.4	103.4	103.8	103.8	102.5
Mar	103.6	103.6	104.1	104.1	102.6
Apr	103.6	103.6	104.4	104.4	102.6
May	103.5	103.5	104.6	104.6	102.8
Jun	103.5	103.5	104.6	104.6	103.1
Jul	103.5	103.5	104.5	104.5	103.4
Aug	103.5	103.5	104.7	104.7	103.8
Sep	103.5	103.5	105.1	105.1	104.1
Oct	103.5	103.5	105.2	105.2	104.3
Nov	103.5	103.5	105.6	105.6	104.3
Dec	103.6	103.6	105.8	105.8	104.4
<b>Percentage change, latest year on previous year</b>					
	S23E	S23F	S23G	S23H	S23I
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
2019	1.8	1.8	2.7	2.7	1.8
<b>Percentage change, latest month on same month a year ago</b>					
	S284	S285	S286	S287	S288
2017 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	1.1
Feb	2.6	2.6	2.7	2.7	1.3
Mar	2.8	2.8	2.8	2.8	1.3
Apr	2.7	2.7	2.9	2.9	1.4
May	2.3	2.3	2.8	2.8	1.6
Jun	1.8	1.8	2.7	2.7	1.9
Jul	1.4	1.4	2.7	2.7	2.1
Aug	1.1	1.1	2.7	2.7	2.3
Sep	1.2	1.2	2.9	2.9	2.3
Oct	1.4	1.4	2.7	2.7	2.3
Nov	1.4	1.4	2.8	2.8	2.2
Dec	1.1	1.1	2.7	2.7	2.2

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# IOSCOMP

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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
<b>2016 weights</b>	<b>61</b>	<b>61</b>	<b>72</b>	<b>72</b>	<b>94</b>

## Percentage change, latest month on previous month

	S23E	S23F	S23G	S23H	S23I
2017 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	0.2
Feb	0.4	0.4	0.3	0.3	0.1
Mar	0.2	0.2	0.3	0.3	-
Apr	-	-	0.3	0.3	-
May	-0.1	-0.1	0.1	0.1	0.2
Jun	-	-	-	-	0.3
Jul	-	-	-	-	0.3
Aug	-	-	0.1	0.1	0.4
Sep	-	-	0.4	0.4	0.3
Oct	-	-	-	-	0.1
Nov	-	-	0.4	0.4	0.1
Dec	-	-	0.2	0.2	-

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

	S2HI	S2HJ	S2HK	S2HL	S2HM
2017 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	1.5	1.5	2.1	2.1	1.2
Feb	2.0	2.0	2.4	2.4	1.2
Mar	2.5	2.5	2.6	2.6	1.2
Apr	2.7	2.7	2.8	2.8	1.3
May	2.6	2.6	2.8	2.8	1.4
Jun	2.3	2.3	2.8	2.8	1.6
Jul	1.8	1.8	2.7	2.7	1.9
Aug	1.4	1.4	2.7	2.7	2.1
Sep	1.2	1.2	2.8	2.8	2.3
Oct	1.2	1.2	2.8	2.8	2.3
Nov	1.3	1.3	2.8	2.8	2.3
Dec	1.3	1.3	2.7	2.7	2.2

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continued

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	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
<b>2016 weights</b>	<b>61</b>	<b>61</b>	<b>72</b>	<b>72</b>	<b>94</b>

## Percentage change, latest 3 months on previous 3 months

	S2CS	S2CT	S2CU	S2CV	S2CW
2017 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	0.2	0.2	0.9	0.9	0.5
Feb	0.7	0.7	1.0	1.0	0.4
Mar	1.1	1.1	1.0	1.0	0.5
Apr	1.0	1.0	1.0	1.0	0.4
May	0.6	0.6	0.9	0.9	0.3
Jun	0.2	0.2	0.7	0.7	0.3
Jul	-	-	0.4	0.4	0.5
Aug	-0.1	-0.1	0.2	0.2	0.8
Sep	-	-	0.3	0.3	0.9
Oct	-	-	0.4	0.4	1.0
Nov	-	-	0.7	0.7	0.8
Dec	-	-	0.7	0.7	0.5

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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	
<b>2016 weights</b>	<b>64</b>	<b>13</b>	<b>17</b>	<b>20</b>	<b>5</b>	
	S2MD	S2ME	S2MF	S2MG	S2MH	
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	
2019	103.6	105.0	101.3	105.9	112.1	
2017 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	103.5	99.9	105.8	109.3	
Feb	102.8	104.2	100.1	105.7	110.6	
Mar	102.7	104.5	100.5	106.5	111.6	
Apr	102.6	104.4	101.0	104.8	109.9	
May	102.8	104.3	101.4	104.2	113.3	
Jun	103.2	104.4	101.6	107.5	114.4	
Jul	103.6	104.7	101.6	105.5	113.9	
Aug	104.1	105.2	101.6	108.3	114.0	
Sep	104.4	105.6	101.8	105.2	111.3	
Oct	104.5	106.0	102.1	104.9	110.1	
Nov	104.5	106.3	102.2	106.7	112.2	
Dec	104.6	106.5	102.1	106.1	114.2	
<b>Percentage change, latest year on previous year</b>						
	S23J	S23K	S23L	S23M	S23N	
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	
2019	1.7	4.1	0.7	1.2	2.6	
<b>Percentage change, latest month on same month a year ago</b>						
	S289	S28A	S28B	S28C	S28D	
2017 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	1.5	4.4	-2.6	1.9	1.1	
Feb	1.4	5.0	-2.1	2.5	1.7	
Mar	1.1	5.0	-0.8	2.5	1.4	
Apr	0.9	4.6	0.9	0.2	-0.6	
May	1.0	4.0	2.2	-0.4	6.4	
Jun	1.5	3.5	2.3	2.7	5.3	
Jul	2.0	3.3	1.7	2.1	2.1	
Aug	2.4	3.4	1.1	4.2	3.5	
Sep	2.4	3.7	1.0	0.3	4.2	
Oct	2.2	4.1	1.3	-1.4	-0.6	
Nov	2.0	4.1	1.8	1.1	3.3	
Dec	1.9	3.8	2.2	-0.7	3.8	

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# IOSCOMP

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

seasonally adjusted 2016 = 100

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 month on previous month

	S23J	S23K	S23L	S23M	S23N
2017 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	0.2	0.9	-	-1.0	-0.6
Feb	-	0.7	0.2	-0.1	1.1
Mar	-0.1	0.2	0.4	0.8	0.9
Apr	-0.1	-0.1	0.5	-1.6	-1.5
May	0.2	-0.1	0.4	-0.6	3.1
Jun	0.4	0.1	0.1	3.1	1.0
Jul	0.3	0.3	-	-1.8	-0.5
Aug	0.6	0.4	-	-2.6	-
Sep	0.3	0.4	0.2	-2.8	-2.4
Oct	-	0.4	0.3	-0.3	-1.0
Nov	-	0.3	0.1	1.7	1.9
Dec	0.1	0.1	-0.1	-0.6	1.8

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

	S2HN	S2HO	S2HP	S2HQ	S2HR
2017 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	3.5	-1.9	2.2	1.1
Feb	1.5	4.3	-2.4	2.3	1.5
Mar	1.3	4.8	-1.9	2.3	1.4
Apr	1.1	4.9	-0.7	1.8	0.8
May	1.0	4.5	0.8	0.8	2.4
Jun	1.1	4.0	1.8	0.8	3.7
Jul	1.5	3.6	2.1	1.4	4.6
Aug	2.0	3.4	1.7	3.0	3.6
Sep	2.3	3.4	1.3	2.2	3.3
Oct	2.4	3.7	1.1	1.0	2.3
Nov	2.2	4.0	1.4	-	2.3
Dec	2.0	4.0	1.7	-0.3	2.2

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# IOSCOMP

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

seasonally adjusted 2016 = 100

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
<b>Percentage change, latest 3 months on previous 3 months</b>						
	S2CX	S2CY	S2CZ	S2D2		S2D3
2017 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	0.9	-0.6	0.9		0.1
Feb	0.5	1.5	-0.7	0.4		1.1
Mar	0.3	1.8	-0.2	-0.3		0.6
Apr	0.1	1.6	0.5	-0.4		1.2
May	-	0.9	1.0	-0.9		1.5
Jun	0.1	0.3	1.2	-0.4		1.9
Jul	0.5	0.1	1.0	0.1		2.9
Aug	0.9	0.4	0.6	1.8		2.3
Sep	1.1	0.8	0.3	0.8		0.4
Oct	1.1	1.1	0.3	0.4		-1.8
Nov	0.8	1.2	0.5	-1.4		-2.5
Dec	0.4	1.1	0.4	-0.4		-0.8

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# IOSCOMP

IOS: Index of Services

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

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
<b>2016 weights</b>	<b>2</b>	<b>5</b>	<b>8</b>	<b>21</b>	<b>5</b>
	S2MI	S2MJ	S2MK	S2ML	S2MM
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
2019	103.1	102.0	105.2	101.9	110.2
2017 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	102.3	103.6	105.6	98.5	106.3
Feb	106.8	102.4	104.5	99.4	107.6
Mar	103.0	101.6	107.0	99.5	108.6
Apr	102.3	101.1	104.5	99.4	109.2
May	103.3	101.0	101.0	101.0	109.6
Jun	103.9	101.0	107.8	102.1	109.9
Jul	104.5	101.3	103.3	102.8	110.3
Aug	104.2	101.7	109.6	103.7	110.9
Sep	101.6	102.1	104.2	103.8	111.7
Oct	101.2	102.5	103.9	104.0	112.4
Nov	101.5	102.9	106.8	103.9	112.8
Dec	102.8	103.1	103.8	104.3	112.6
<b>Percentage change, latest year on previous year</b>					
	S23O	S23P	S23Q	S23R	S23S
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
2019	-1.2	-2.7	3.2	0.3	8.4
<b>Percentage change, latest month on same month a year ago</b>					
	S28E	S28F	S28G	S28H	S28I
2017 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	-2.0	0.9	3.9	-3.0	11.2
Feb	5.1	-2.3	5.6	-1.1	10.8
Mar	-3.4	-4.2	8.7	-2.9	11.0
Apr	-2.7	-4.9	4.4	-2.6	11.2
May	-2.3	-4.6	-1.7	-1.2	10.5
Jun	-1.0	-3.7	5.6	-0.9	8.5
Jul	-0.9	-2.6	5.6	0.3	6.2
Aug	1.3	-1.9	8.8	1.0	5.0
Sep	-1.6	-2.0	-0.4	2.8	5.6
Oct	-1.9	-2.3	-1.3	2.8	6.9
Nov	-5.4	-2.3	3.0	3.6	7.8
Dec	0.3	-1.5	-3.0	5.0	7.1

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# IOSCOMP

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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 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	-0.2	-1.0	-1.3	-0.8	1.2
Feb	4.4	-1.1	-1.0	0.9	1.2
Mar	-3.5	-0.8	2.4	0.1	0.9
Apr	-0.7	-0.5	-2.4	-0.1	0.5
May	1.0	-0.2	-3.3	1.6	0.4
Jun	0.5	0.1	6.7	1.0	0.3
Jul	0.6	0.2	-4.1	0.7	0.4
Aug	-0.3	0.4	6.1	0.9	0.5
Sep	-2.5	0.4	-5.0	0.1	0.7
Oct	-0.4	0.4	-0.2	0.2	0.7
Nov	0.3	0.3	2.7	-0.1	0.3
Dec	1.3	0.2	-2.8	0.4	-0.2

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

	S2HS	S2HT	S2HU	S2HV	S2HW
2017 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	1.5	3.0	2.5	-1.7	11.7
Feb	0.4	0.8	4.0	-1.7	11.3
Mar	-0.2	-1.9	6.0	-2.3	11.0
Apr	-0.4	-3.8	6.2	-2.2	11.0
May	-2.8	-4.6	3.7	-2.3	10.9
Jun	-2.0	-4.4	2.8	-1.6	10.0
Jul	-1.4	-3.7	3.1	-0.6	8.4
Aug	-0.2	-2.8	6.7	0.2	6.6
Sep	-0.4	-2.2	4.6	1.4	5.6
Oct	-0.7	-2.1	2.3	2.2	5.8
Nov	-3.0	-2.2	0.4	3.1	6.7
Dec	-2.4	-2.1	-0.5	3.8	7.3

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

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	5	94
	2	5	8	21	5

## Percentage change, latest 3 months on previous 3 months

	S2D4	S2D5	S2D6	S2D7	S2D8
2017 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	0.9	0.3	1.8	-2.2	-0.1
Feb	-0.7	-1.2	1.2	-1.7	1.1
Mar	-0.3	-2.3	0.4	-1.1	2.4
Apr	-	-2.7	-0.1	0.1	3.0
May	-0.9	-2.3	-1.4	0.9	2.6
Jun	-0.8	-1.5	-1.2	1.7	1.9
Jul	-0.1	-0.6	-1.2	2.5	1.3
Aug	1.3	0.1	2.6	2.9	1.1
Sep	0.2	0.6	1.2	2.6	1.3
Oct	-1.5	1.0	1.8	1.8	1.6
Nov	-2.7	1.2	-1.8	1.0	1.8
Dec	-1.6	1.1	-0.8	0.6	1.5

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

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
<b>2016 weights</b>	<b>2</b>	<b>13</b>	<b>4</b>	<b>4</b>
	S2MN	S2MO	S2MP	S2MQ
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
2019	115.3	96.6	95.6	95.6
2017 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	119.0	92.3	104.4	104.4
Feb	116.1	93.6	101.9	101.9
Mar	112.2	94.1	97.4	97.4
Apr	113.9	93.4	95.7	95.7
May	113.4	95.8	94.2	94.2
Jun	111.7	97.5	96.1	96.1
Jul	117.0	97.7	96.9	96.9
Aug	113.5	99.4	96.9	96.9
Sep	115.0	99.0	94.5	94.5
Oct	120.9	98.2	90.6	90.6
Nov	115.3	98.7	88.9	88.9
Dec	115.2	99.4	89.9	89.9
<b>Percentage change, latest year on previous year</b>				
	S23T	S23U	S23V	S23W
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
2019	-1.6	-2.6	-9.3	-9.3
<b>Percentage change, latest month on same month a year ago</b>				
	S28J	S28K	S28L	S28M
2017 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	4.2	-9.4	2.3	2.3
Feb	1.8	-6.1	-0.2	-0.2
Mar	-4.0	-7.9	-6.8	-6.8
Apr	-2.5	-7.9	-8.8	-8.8
May	-3.3	-5.3	-9.8	-9.8
Jun	-6.7	-3.4	-8.8	-8.8
Jul	2.2	-2.4	-9.0	-9.0
Aug	-3.1	0.1	-10.0	-10.0
Sep	-1.5	2.4	-12.2	-12.2
Oct	3.2	0.9	-15.8	-15.8
Nov	-3.6	3.2	-16.6	-16.6
Dec	-4.9	6.0	-15.0	-15.0

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# IOSCOMP

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

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
2016 weights	95	96	T	97
	2	13	4	4

## Percentage change, latest month on previous month

	S23T	S23U	S23V	S23W
2017 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	-1.7	-1.5	-1.3	-1.3
Feb	-2.4	1.4	-2.4	-2.4
Mar	-3.3	0.5	-4.4	-4.4
Apr	1.5	-0.7	-1.8	-1.8
May	-0.4	2.6	-1.6	-1.6
Jun	-1.5	1.8	2.1	2.1
Jul	4.7	0.2	0.8	0.8
Aug	-3.0	1.7	0.1	0.1
Sep	1.3	-0.3	-2.5	-2.5
Oct	5.2	-0.9	-4.1	-4.1
Nov	-4.7	0.5	-2.0	-2.0
Dec	-	0.7	1.2	1.2

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

	S2HX	S2HY	S2HZ	S2I2
2017 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	4.3	-7.5	4.1	4.1
Feb	3.1	-7.4	2.1	2.1
Mar	0.6	-7.8	-1.6	-1.6
Apr	-1.6	-7.3	-5.3	-5.3
May	-3.3	-7.0	-8.4	-8.4
Jun	-4.2	-5.5	-9.1	-9.1
Jul	-2.7	-3.7	-9.2	-9.2
Aug	-2.6	-1.9	-9.3	-9.3
Sep	-0.8	-	-10.4	-10.4
Oct	-0.5	1.1	-12.7	-12.7
Nov	-0.7	2.2	-14.8	-14.8
Dec	-1.8	3.4	-15.8	-15.8

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	95	96	T	97
<b>2016 weights</b>	<b>2</b>	<b>13</b>	<b>4</b>	<b>4</b>

## Percentage change, latest 3 months on previous 3 months

	S2D9	S2DA	S2DB	S2DC
2017 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	2.5	-4.0	-1.9	-1.9
Feb	0.8	-3.4	-3.0	-3.0
Mar	-2.9	-2.3	-5.0	-5.0
Apr	-4.9	-0.2	-6.8	-6.8
May	-4.7	1.3	-8.0	-8.0
Jun	-2.4	2.4	-5.9	-5.9
Jul	-	3.5	-2.7	-2.7
Aug	0.8	4.0	0.9	0.9
Sep	1.9	3.3	0.8	0.8
Oct	2.1	1.9	-1.8	-1.8
Nov	2.6	0.4	-5.5	-5.5
Dec	1.7	-	-6.6	-6.6

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