

26 March 2018

Services Sector Activity Indicators (SSAI). Base 2010
 January 2018. *Provisional data*

The turnover of the¹ market Services Sector remains the same in comparison to the previous month, after adjusting for seasonal and calendar effects

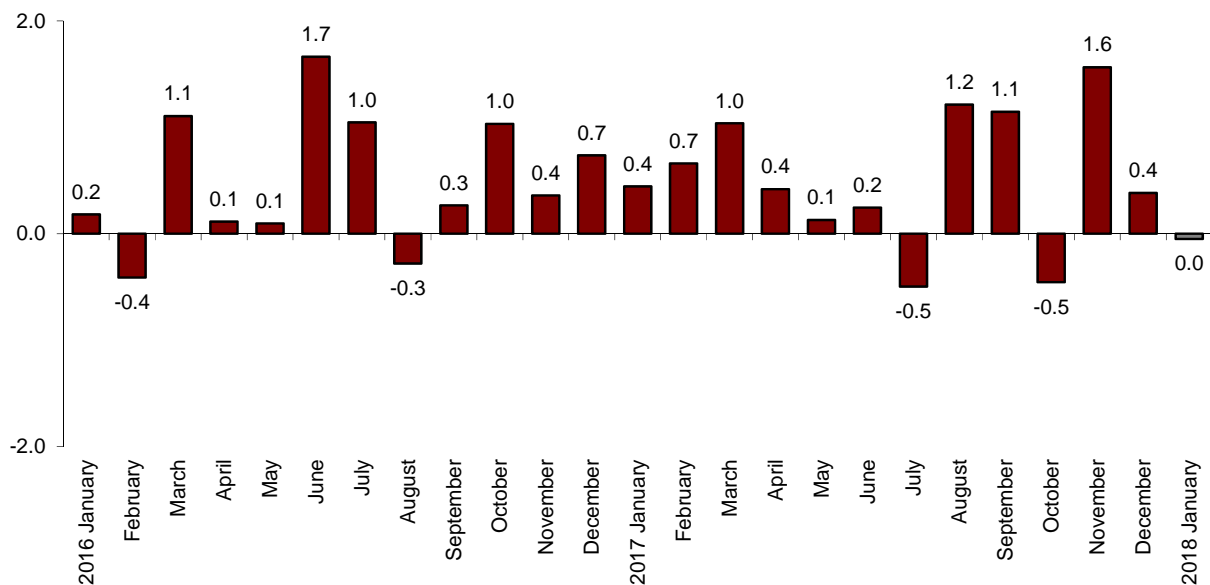
The annual rate stands at 5.9% in the series adjusted for seasonal and calendar effects and at 7.4% in the original series

The INE is today publishing the first SSAI in base 2015

Monthly evolution of the turnover for the Market Services Sector

The monthly variation of the general index of the turnover for the Market Services Sector between January and December, after adjusting for seasonal and calendar effects², was 0.0%. This rate is four tenths lower than that registered in December.

**General index of the turnover for the Market Services Sector
 Adjusted for seasonal and calendar effects. Monthly rate**



¹ As explained in the methodology for this value index, the information is presented in current terms (nominal terms), that is, without adjusting the effects in the price variation thereof.

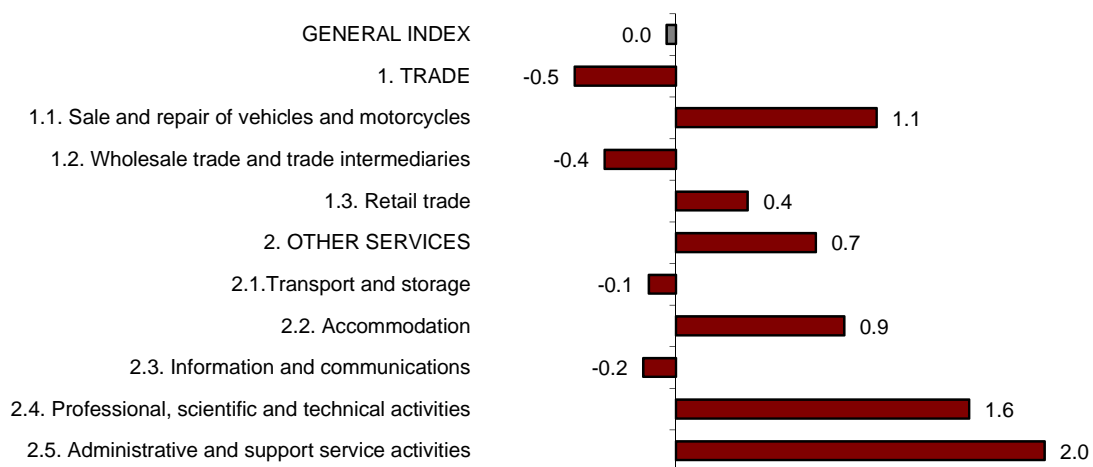
² As of this month, the JDemetra+ software is used to carry out the adjustment of seasonal and calendar effects.

After adjusting for seasonal and calendar effects, *Trade* decreased by 0.5% while *Other services* increased by 0.7%.

By sectors, *Administrative and support service activities* (2.0%), *Professional, scientific and technical activities* (1.6%) and *Sale and repair of motor vehicles and motorcycles* (1.1%) presented the greatest increases.

In turn, *wholesale trade* and *commission trade* (-0.4%), *Information and Communications* (-0.2%) and *Transport and storage* (-0.1%) registered negative rates.

**General and by sectors turnover Index
Adjusted for seasonal and calendar effects. Monthly rate**



A more detailed analysis shows the activities that registered the highest monthly rates and those that registered the greatest decreases in January.

**Activities with the greatest monthly rates of the Services Sector turnover index
adjusted for seasonal and calendar effects**

Activity (CNAE-2009 groups)	Monthly rate(%)
Programming and broadcasting activities	7.2
Office administrative and other business support activities	6.1
Legal, accounting and management consulting activities	2.7

**Activities with the lowest monthly rates of the Services Sector turnover index
adjusted for seasonal and calendar effects**

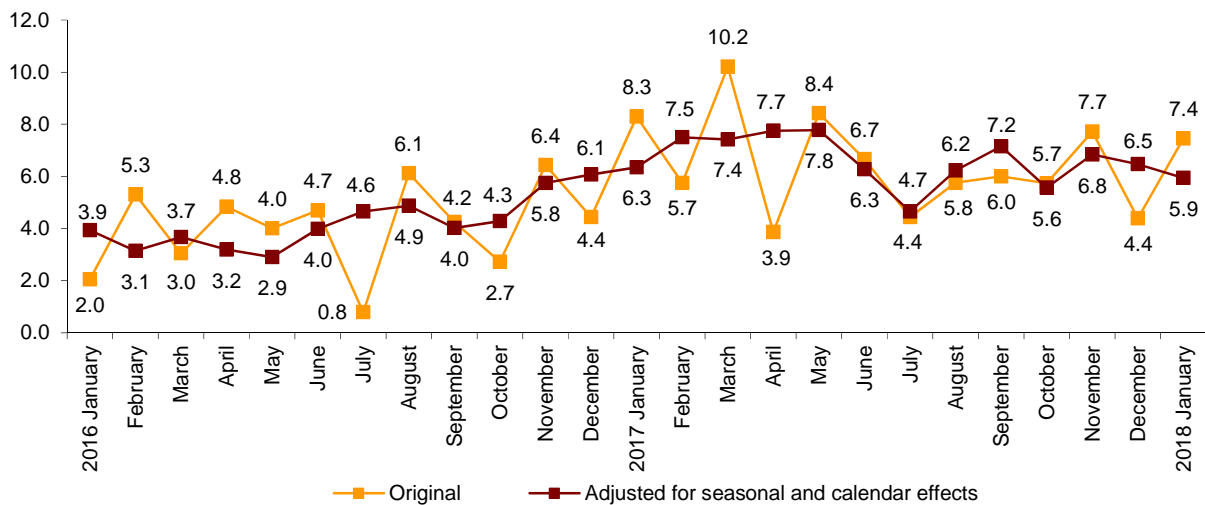
Activity (CNAE-2009 groups)	Monthly rate(%)
Other professional scientific and technical activities	-3.3
Security and investigation activities	-1.2
Water transport	-1.2

Annual evolution of the turnover index for the Market Services Sector

The general index of the turnover for the Market Services Sector, after adjusting for seasonal and calendar effects, showed a variation of 5.9% in January as compared with the same month of 2017. This rate is six tenth lower than that registered in December.

The original series registered an annual variation of 7.4%, which is 3.0 points higher than that registered in December.

General index of the turnover for the Market Services Sector Annual Rate



After adjusting for seasonal and calendar effects, *Trade* increased by 5.5% as compared to January 2017 and *Other services* did so by 6.8%.

All sectors registered positive annual rates. *Sale and repair of vehicles and motorcycles* (14.9%) and *Professional, scientific and technical activities* (9.3%) increased the most.

Annual rates of the Turnover index for the Market Services Sector: General and by sector

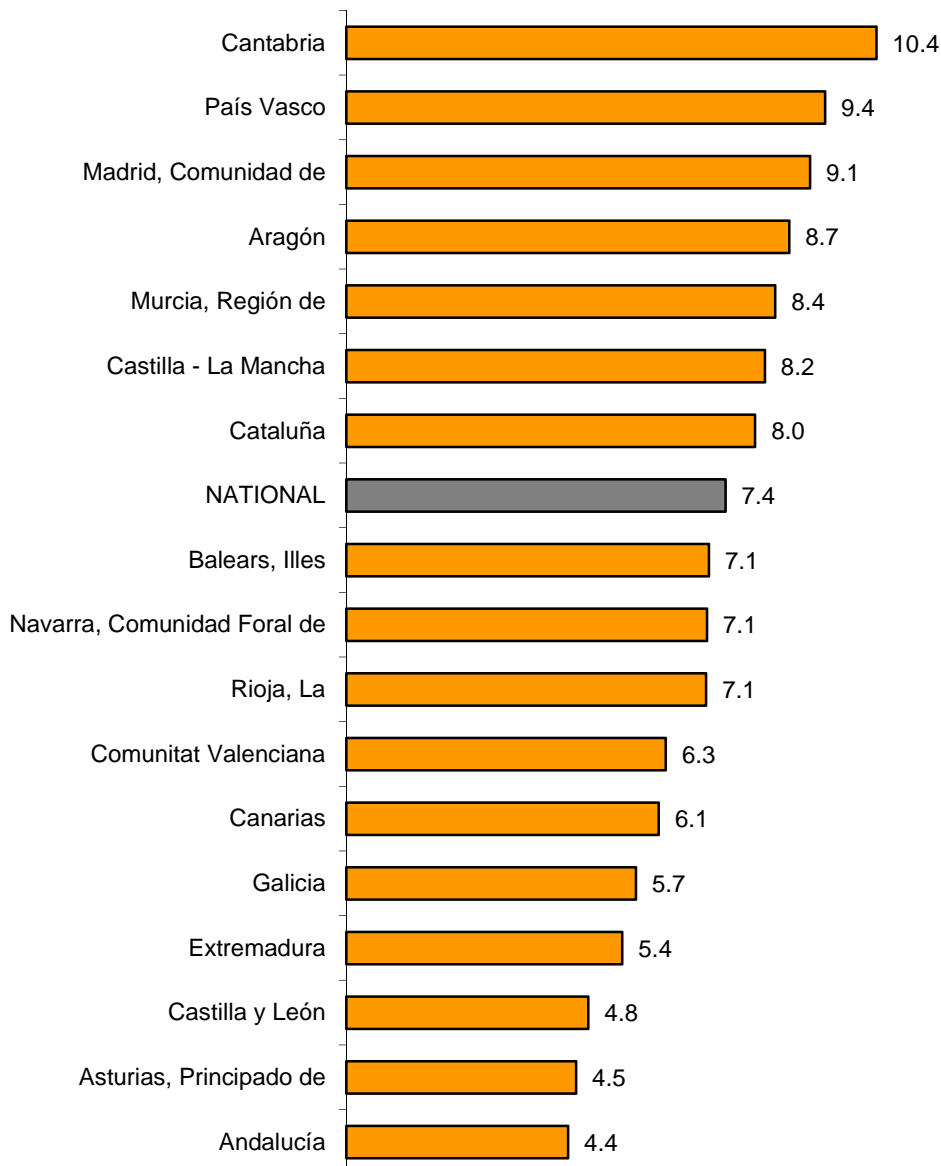
	Original index	Seasonally adjusted index
	Annual rate (%)	Annual rate (%)
GENERAL INDEX	7.4	5.9
1. TRADE	7.3	5.5
1.1. Sale and repair of vehicles and motorcycles	16.0	14.9
1.2. Wholesale trade	8.5	6.1
1.3. Retail trade	2.4	2.3
2. OTHER SERVICES	7.8	6.8
2.1. Transport and storage	7.9	6.5
2.2. Accommodation	3.5	4.3
2.3. Information and communications	5.9	4.8
2.4. Professional, scientific and technical activities	10.8	9.3
2.5. Administrative and support service activities	10.5	8.7

Results by Autonomous Communities. Annual variation rates of turnover. Original series

All the Autonomous Communities increased their turnover for the Market Services Sector in January as compared with the same month of 2017.

Cantabria (10.4%), País Vasco (9.4%) and Comunidad de Madrid (9.1%) increased the most. In turn, Andalucía (4.4%), Principado de Asturias (4.5%) and Castilla y León (4.8%) recorded the lowest increases.

General Indices: National and by Autonomous Community Turnover Annual Rate



Evolution of employment

Employment in the Market Services Sector increased by 2.5% in January as compared with the same month of the previous year. This rate is two tenths higher than that registered in December.

The employment rate increased by 1.7% in *Trade* and by 3.0% in *Other services*.

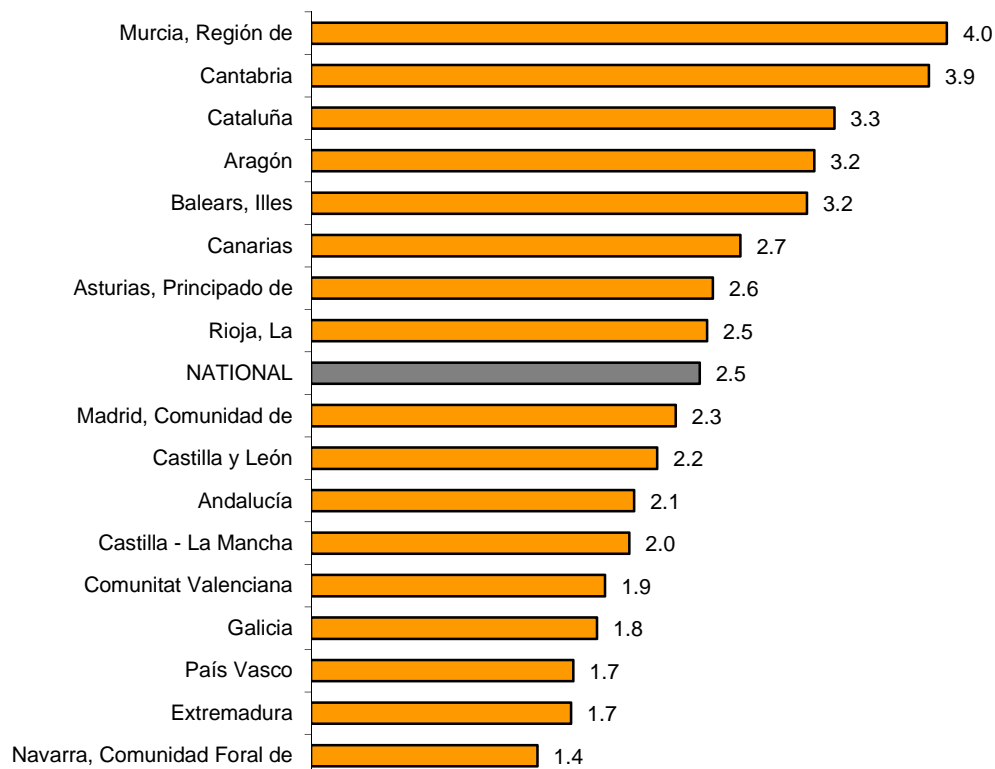
National Indices of employed personnel by sector

	Index	Rate (%)	
		Monthly	Annual
GENERAL INDEX	104.1	-1.2	2.5
1. TRADE	104.5	-1.3	1.7
1.1. Sale and repair of vehicles and motorcycles	104.2	0.2	2.3
1.2. Wholesale trade	107.5	-0.7	2.7
1.3. Retail trade	102.6	-1.9	1.0
2. OTHER SERVICES	103.8	-1.2	3.0
2.1. Transport and storage	105.6	0.0	3.0
2.2. Accommodation	98.2	-2.3	1.8
2.3. Information and communications	105.1	0.1	3.2
2.4. Professional, scientific and technical activities	104.0	-0.9	1.9
2.5. Administrative and support service activities	108.4	-1.5	4.9

Results by Autonomous Communities. Annual employment variation rates

All communities registered positive annual rates in employment. Region de Murcia (4.0%) recorded the greatest increase.

General Indices: National and by Autonomous Community Annual rate of employed personnel



Informative annex

Main characteristics of Services Sector Activity Indicators (SSAI) in base 2015

Today the National Statistics Institute (INE) is publishing the Services Sector Activity Indicators (SSAI) in base 2015. This complies with Council Regulation (EC) No. 1165/98 of 19 May 1998 concerning short-term statistics, which stipulates that Member States must change the base every five years, specifically in those years ending in zero and five. This change must be made within three years from the end of the new base year.

The Services Sector Activity Indicators are calculated, from the base 2010, using chain-linked indices, with the objective of using an indicator in accordance with the general methodology of this survey where, each year, there is a rotation of between 20 and 25% of the sample units and the elevation factors are reviewed.

With the implementation of the new base, the aim is to improve the representativeness of these indicators by updating the sample and the weighting structure. The objective is to obtain indicators that adapt to the changes that have occurred in recent years in the non-financial market services sector to measure the evolution of this sector more accurately.

Updating of the sample and weighting structure

- *Sample*

The Services Sector Activity Indicators study the population made up of companies whose main economic activity is described in sections G (Trade), H (Transport and Storage), I (Accommodation), J (Information and Communications), M (Professional, Scientific and Technical Activities), excluding 701, 72 and 75 and N (Administrative and Support Services Activities) excluding 77, 821 and 82.3 of the National Classification of Economic Activities 2009 (CNAE-09).

One of the most important aspects of the base change process is the updating of the sample. To this end, a new sample design was created according to the new population of companies in these sectors in the Central Business Register which is the population framework of the survey, obtaining a new theoretical sample to better reflect the current structure of the sector. In the years 2016 and 2017, changes have been made to the sample to improve its representativeness.

The sample used is a stratified random sampling by branch of activity, Autonomous Community and size. An optimal allocation is performed in order to distribute the sample throughout the different strata, prefixing sampling errors at 5%, by branch of activity at national level, and by sector in each Autonomous Community. In each stratum, a random selection has been carried out, except for companies with more than 200 employees, all of which are included in the sample.

In certain branches and Autonomous Communities, smaller strata are also comprehensive due to their small population. All multi-location companies (that is, those with premises in different Autonomous Communities) with 50 or more employees and companies with a significant annual turnover and with less than 200 employees have also been selected. In this way, in 2018, information on a sample of some 28,000 companies is collected each month to obtain the Services Sector Activity Indicators.

- *Weightings*

The complete weighting structure has been updated at all levels of disaggregation, functional and geographical, to represent the non-financial market services sector activity more accurately.

For this purpose, the Structural Business Statistics information has been used: Trade Sector and Services Sector for 2015. These surveys refer to the average for the year 2015, and in order to correct the discrepancy occurring between this period and that of the weightings (December of the year immediately prior to the one being considered), the weightings are updated using information regarding the performance of the indicators for turnover and employment, taken from the actual Services Sector Activity Indicators short-term survey.

Due to the updating of weightings with the information from the structural statistics, the weightings from 2016 and 2017 have been reviewed for the 2015 base. The weightings used for the year 2018 are those of December 2017.

Ponderaciones (tanto por mil)

	Base 2010		Base 2015		
	Año 2016	Año 2017	Año 2016	Año 2017	Año 2018
ÍNDICE GENERAL	1000,000	1000,000	1000,000	1000,000	1000,000
1. COMERCIO	655,717	655,703	659,153	659,606	656,710
2. OTROS SERVICIOS	344,283	344,297	340,847	340,394	343,290
2.1. Transporte y almacenamiento	95,146	95,087	88,317	88,337	88,643
2.2. Hostelería	50,918	51,742	49,234	49,962	49,548
2.3. Información y comunicaciones	76,954	76,215	75,639	75,028	74,479
2.4. Actividades profesionales, científicas y técnicas	83,725	83,266	84,123	83,072	85,987
2.5. Actividades administrativas y servicios auxiliares	37,539	37,987	43,535	43,995	44,633

The weightings are recalculated annually in order to refer them to December of the year immediately preceding the reference year.

Calculation formula

The Services Sector Activity Indicators are calculated using a chain-linked Laspeyres index, where the reference period for the turnover and employment for the current period is December of the immediately preceding year. In addition, the weightings required for the calculation of the indicators are updated annually.

Chained series

Any change of base implies a break in the series. In order to have continuous series that allow us to calculate variation rates between different periods, and to carry out studies and predictions about the evolution of turnover and employment in the services sector, INE publishes retrospective series in this new base.

The new series have been created by recalculating 2016 and 2017 taking into account the sampling updates and the new weightings. In the series of retail trade and the aggregates in which it intervenes, the year 2015 has also been recalculated for consistency with the statistics of retail trade indices. For previous years, a structural link coefficient is applied. In this way the variation rates published in base 2010 will be maintained in all the years in which the indices have not been recalculated.

Seasonal and calendar adjustment

In the new base 2015 the series are adjusted for seasonal and calendar effects, as was already the case in the base 2010.

- ***New software: JDemetra +***

The series adjusted for calendar effects and the series adjusted for seasonal and calendar effects are obtained with the JDemetra+ software (version 2.2.0)³, from the publication of data referring to 2018. JDemetra+ is officially recommended by Eurostat for performing seasonal and calendar adjustments in the official statistics of the European Union⁴. This is a new seasonal adjustment tool, developed by the National Bank of Belgium in cooperation with the Deutsche Bundesbank and Eurostat.

JDemetra+ includes the two leading seasonal adjustment methods, TRAMO/SEATS and X-12-ARIMA/X-13ARIMA-SEATS. The tool is built on the basis of the concepts and algorithms used in these two reference methods.

- ***The method of seasonal adjustment remains unchanged***

The change of software from TRAMO/SEATS to JDemetra+ does not affect the seasonal adjustment methodology in the INE series, since it is still performed according to the method based on ARIMA Models (TRAMO/SEATS method) as reflected in the **INE Standard for the adjustment of seasonal and calendar effects in the short-term series**⁵.

This change coincides with the base change and the re-identification of models that takes place once a year. The revisions in the series, caused by the software change, are minimal.

Dissemination of the results

There are no diffusion changes regarding the functional and geographical disaggregation. National indices are published by sector and branch of activity and for the total of each Autonomous Community, both for turnover and employment.

Turnover indices are also disseminated, adjusted for calendar and seasonal effects.

All information on the new base of the Services Sector Activity Indicators is available on the INE website (www.ine.es).

For further information see **INEbase: www.ine.es/en/** Twitter: **@es_ine**

All press releases at: **www.ine.es/en/prensa/prensa_en.htm**

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<https://github.com/jdemetra/jdemetra-app/releases/tag/v2.2.0>

https://ec.europa.eu/eurostat/cros/system/files/Jdemetra_%20release.pdf

http://www.ine.es/clasifi/estandar_efectos_estacionales.pdf

Services Sector Activity Indicators. Base 2015 January 2018

Provisional data

1. Turnover indices: General and by sector. Adjusted for seasonal and calendar effects

	Index	Rate (%)		
		Monthly	Annual	Year-to-date average
GENERAL INDEX	114.5	0.0	5.9	5.9
1. TRADE	113.7	-0.5	5.5	5.5
1.1. Sale and repair of vehicles and motorcycles	132.1	1.1	14.9	14.9
1.2. Wholesale trade	115.2	-0.4	6.1	6.1
1.3. Retail trade	106.6	0.4	2.3	2.3
2. OTHER SERVICES	115.0	0.7	6.8	6.8
2.1. Transport and storage	112.4	-0.1	6.5	6.5
2.2. Accommodation	113.9	0.9	4.3	4.3
2.3. Information and communications	111.1	-0.2	4.8	4.8
2.4. Professional, scientific and technical activities	122.3	1.6	9.3	9.3
2.5. Administrative and support service activities	116.6	2.0	8.7	8.7

2. Turnover indices: General and by sector. Adjusted for calendar effects

	Index	Rate (%)	
		Annual	Year-to-date average
GENERAL INDEX	105.5	5.8	5.8
1. TRADE	107.7	5.1	5.1
1.1. Sale and repair of vehicles and motorcycles	114.5	14.9	14.9
1.2. Wholesale trade	107.1	5.8	5.8
1.3. Retail trade	107.5	2.0	2.0
2. OTHER SERVICES	101.3	6.8	6.8
2.1. Transport and storage	103.4	6.2	6.2
2.2. Accommodation	89.0	4.1	4.1
2.3. Information and communications	105.1	4.8	4.8
2.4. Professional, scientific and technical activities	108.2	9.6	9.6
2.5. Administrative and support service activities	95.6	9.5	9.5

3. National turnover indices: General and by branch of activity.

Original series

	Index	Rate (%)	
		Annual	Year-to-date average
GENERAL INDEX	107.3	7.4	7.4
1. TRADE	110.1	7.3	7.3
1.1. SALE AND REPAIR OF VEHICLES	115.4	16.0	16.0
- Sale of motor vehicles	117.2	17.3	17.3
- Maintenance and repair of motor vehicles	103.9	7.3	7.3
1.2. WHOLESALE TRADE AND COMMISSION TRADE	110.1	8.5	8.5
- Wholesale on a fee or contract basis	113.0	7.4	7.4
- Wholesale of agricultural raw materials and live animals	99.1	3.9	3.9
- Wholesale of food, beverages and tobacco	101.3	2.9	2.9
- Wholesale of household goods	111.6	8.0	8.0
- Wholesale of information and communication equipment	103.6	5.9	5.9
- Wholesale of other machinery, equipment and supplies	111.0	14.2	14.2
- Other specialised wholesale trade	120.0	14.0	14.0
- Non-specialised wholesale trade	105.6	15.3	15.3
1.3. RETAIL TRADE	108.0	2.4	2.4
2. OTHER SERVICES	102.3	7.8	7.8
2.1. TRANSPORTATION AND STORAGE SERVICES	105.2	7.9	7.9
Land transport	105.9	6.7	6.7
- Rail transport	94.2	8.7	8.7
- Taxi operation	92.9	0.9	0.9
- Other passenger land transport	99.9	4.1	4.1
- Freight transport by road and removal services	109.5	7.5	7.5
Water transport	89.4	6.2	6.2
Air transport	95.3	10.6	10.6
Warehousing and support activities for transportation	106.0	8.6	8.6
Post and courier activities	118.9	9.1	9.1
2.2. ACCOMMODATION AND FOOD SERVICES ACTIVITIES	88.5	3.5	3.5
Accommodation	68.5	2.2	2.2
Food and beverage service activities	98.3	3.9	3.9
2.3. INFORMATION AND COMMUNICATION	106.5	5.9	5.9
Publishing activities	89.9	2.6	2.6
Motion picture, television programme production and music publishing activities	106.6	8.6	8.6
Programming and broadcasting activities	105.2	12.2	12.2
Telecommunications	106.2	4.1	4.1
Computer programming, consultancy and related activities	111.5	7.6	7.6
Information service activities	107.6	1.6	1.6
2.4. PROFESSIONAL, SCIENTIFIC AND TECHNICAL ACTIVITIES	109.6	10.8	10.8
Legal, accounting and management consulting activities	120.7	11.4	11.4
Architectural and engineering activities; technical testing and analysis	101.8	9.4	9.4
Advertising and market research	102.2	12.2	12.2
Other professional scientific and technical activities	113.3	8.8	8.8
2.5. ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES	96.7	10.5	10.5
Employment activities	130.6	18.8	18.8
Travel agencies and tour operator services	68.4	9.3	9.3
Security and investigation activities	110.3	5.6	5.6
Cleaning activities	108.6	5.8	5.8
Office administrative and other business support activities	120.2	12.8	12.8

4. Employed personnel indices: General and by branch of activity

	Index	Rate (%)		
		Monthly	Annual	Year-to-date average
GENERAL INDEX	104.1	-1.2	2.5	2.5
1. TRADE	104.5	-1.3	1.7	1.7
1.1. SALE AND REPAIR OF VEHICLES	104.2	0.2	2.3	2.3
- Sale of motor vehicles	108.5	0.3	4.0	4.0
- Maintenance and repair of motor vehicles	99.7	0.0	0.4	0.4
1.2. WHOLESALE TRADE AND COMMISSION TRADE	107.5	-0.7	2.7	2.7
- Wholesale on a fee or contract basis	102.1	1.1	2.0	2.0
- Wholesale of agricultural raw materials and live animals	103.6	-0.4	2.7	2.7
- Wholesale of food, beverages and tobacco	111.7	-2.6	2.8	2.8
- Wholesale of household goods	105.1	0.6	3.0	3.0
- Wholesale of information and communication equipment	107.7	-0.1	2.4	2.4
- Wholesale of other machinery, equipment and supplies	109.1	0.4	3.8	3.8
- Other specialised wholesale trade	104.4	0.0	1.9	1.9
- Non-specialised wholesale trade	108.6	-0.2	3.1	3.1
1.3. RETAIL TRADE	102.6	-1.9	1.0	1.0
2. OTHER SERVICES	103.8	-1.2	3.0	3.0
2.1. TRANSPORTATION AND STORAGE SERVICES	105.6	0.0	3.0	3.0
Land transport	105.5	0.3	2.8	2.8
- Rail transport	107.3	2.3	6.4	6.4
- Taxi operation	100.4	0.3	1.4	1.4
- Other passenger land transport	105.0	-0.4	3.0	3.0
- Freight transport by road and removal services	106.6	0.4	2.9	2.9
Water transport	102.7	0.3	9.4	9.4
Air transport	101.9	-0.8	6.3	6.3
Warehousing and support activities for transportation	107.3	-0.3	3.4	3.4
Post and courier activities	103.2	-0.4	1.6	1.6
2.2. ACCOMMODATION AND FOOD SERVICES ACTIVITIES	98.2	-2.3	1.8	1.8
Accommodation	86.3	-3.1	3.2	3.2
Food and beverage service activities	101.3	-2.1	1.4	1.4
2.3. INFORMATION AND COMMUNICATION	105.1	0.1	3.2	3.2
Publishing activities	100.5	0.0	0.5	0.5
Motion picture, television programme production and music publishing activities	107.4	-1.9	3.2	3.2
Programming and broadcasting activities	100.4	-0.4	1.4	1.4
Telecommunications	91.1	-0.3	-1.6	-1.6
Computer programming, consultancy and related activities	110.6	0.6	5.4	5.4
Information service activities	101.5	-0.3	0.0	0.0
2.4. PROFESSIONAL, SCIENTIFIC AND TECHNICAL ACTIVITIES	104.0	-0.9	1.9	1.9
Legal, accounting and management consulting activities	103.3	-0.5	1.3	1.3
Architectural and engineering activities; technical testing and analysis	105.6	-0.5	2.8	2.8
Advertising and market research	103.8	-3.5	2.0	2.0
Other professional scientific and technical activities	104.4	-0.2	1.4	1.4
2.5. ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES	108.4	-1.5	4.9	4.9
Employment activities	121.1	-3.9	8.7	8.7
Travel agencies and tour operator services	99.8	-0.5	3.6	3.6
Security and investigation activities	106.6	-0.5	3.8	3.8
Cleaning activities	101.7	-1.2	1.5	1.5
Office administrative and other business support activities	112.2	-0.7	7.4	7.4

5. Turnover indices: National and by Autonomous Community

	Index	Rate (%)	
		Annual	Year-to-date average
NATIONAL	107.3	7.4	7.4
Andalucía	105.4	4.4	4.4
Aragón	103.1	8.7	8.7
Asturias, Principado de	102.9	4.5	4.5
Balears, Illes	79.6	7.1	7.1
Canarias	112.1	6.1	6.1
Cantabria	107.8	10.4	10.4
Castilla y León	100.8	4.8	4.8
Castilla-La Mancha	108.1	8.2	8.2
Cataluña	105.4	8.0	8.0
Comunitat Valenciana	107.6	6.3	6.3
Extremadura	102.5	5.4	5.4
Galicia	110.5	5.7	5.7
Madrid, Comunidad de	112.3	9.1	9.1
Murcia, Región de	107.3	8.4	8.4
Navarra, Comunidad Foral de	107.9	7.1	7.1
País Vasco	109.0	9.4	9.4
Rioja, La	108.7	7.1	7.1

6. Employed personnel indices: National and by Autonomous Community

	Index	Rate (%)		
		Monthly	Annual	Year-to-date average
NATIONAL	104.1	-1.2	2.5	2.5
Andalucía	102.4	-0.9	2.1	2.1
Aragón	105.2	-1.0	3.2	3.2
Asturias, Principado de	102.4	-0.8	2.6	2.6
Balears, Illes	87.8	-1.9	3.2	3.2
Canarias	108.0	-1.2	2.7	2.7
Cantabria	105.1	-1.6	3.9	3.9
Castilla y León	102.6	-1.3	2.2	2.2
Castilla-La Mancha	103.7	-1.3	2.0	2.0
Cataluña	105.4	-0.9	3.3	3.3
Comunitat Valenciana	105.9	-2.4	1.9	1.9
Extremadura	101.2	-0.7	1.7	1.7
Galicia	103.6	-1.4	1.8	1.8
Madrid, Comunidad de	104.8	-1.2	2.3	2.3
Murcia, Región de	108.0	-0.8	4.0	4.0
Navarra, Comunidad Foral de	103.9	-1.2	1.4	1.4
País Vasco	103.2	-0.8	1.7	1.7
Rioja, La	104.8	-0.4	2.5	2.5