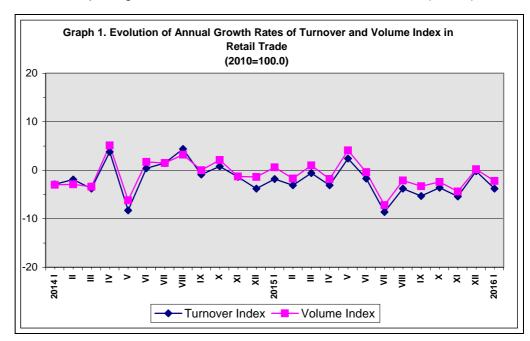


### **PRESS RELEASE**

## **TURNOVER INDEX IN RETAIL TRADE: January 2016**

The Hellenic Statistical Authority announces the turnover and volume indices in retail trade with base year 2010=100.0 for January 2016 according to provisional and reduced data of a typical month, as follows:

- The overall turnover index in retail trade in January 2016 recorded a decrease of 3.8% compared with the corresponding index of January 2015, while compared with the corresponding index of December 2015 recorded a decrease of 21.0% (Tables 1,2).
- The overall volume index in retail trade (i.e. turnover in retail trade at constant prices) in January 2016, recorded a decrease of 2.2% compared with the corresponding index of January 2015, while compared with the corresponding index of December 2015, recorded a decrease of 18.3% (Tables 1,2).
- The seasonally adjusted (after eliminating the monthly effects e.g. the beginning of the school year, holidays, tourist period etc) overall turnover index in January 2016 compared with the corresponding index of December 2015 recorded a decrease of 1.6% (Table 5).
- The seasonally adjusted overall volume index in January 2016 compared with the corresponding index of December 2015 recorded a decrease of 1.0% (Table 5).



### Information:

Economic and Short-Term Indicators Division

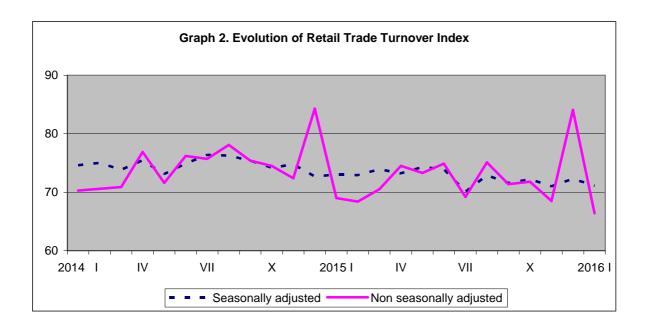
Retail Sales Value Index Section ret.sal@statistics.gr Fax: 00302131352729

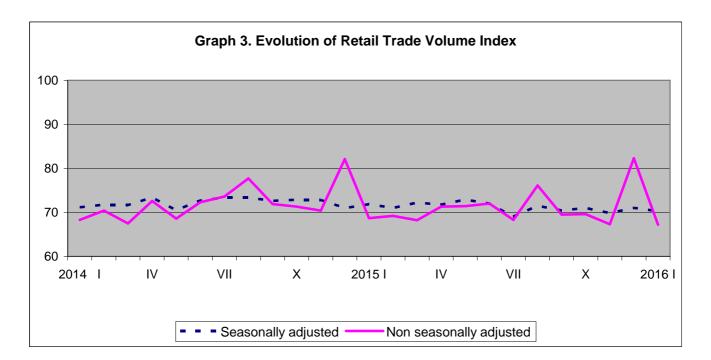
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Time series of the index is available on the ELSTAT website: <a href="http://www.statistics.gr/en/statistics/-/publication/DKT39/-">http://www.statistics.gr/en/statistics/-/publication/DKT39/-</a>

Graphs 2 and 3 depict the evolution of seasonally and non seasonally adjusted overall indices of turnover and volume in retail trade.





It should be noted that the whole series with seasonally adjusted indices is *recalculated* every time a *new* observation is added in time series. Therefore, the seasonally adjusted data differ from the published data of the previous Press Release.

It should be noted that the Retail Trade Turnover and Volume Index of December 2015, which had been announced as provisional in the previous press release, has been revised as follows:

	Turnov	er Index	of Decembe	er 2015	Volume Index of December 2015				
Retail Trade Store Categories		Annual		Annual		Annual		Annual	
notali mado otoro catogorios	Provisional	change (%)	Revised	change (%)	Provisional	change (%)	Revised	change (%)	
Overall Index	84.2	-0.1	84.1	-0.2	82.4	0.4	82.3	0.2	
Overall Index ( except automotive fuel)	87.4	0.5	87.4	0.5	85.9	0.2	85.9	0.2	
I. Main store categories									
Food sector Non-food sector	88.9	-4.1	88.9	-4.1	84.7	-4.6	84.7	-4.6	
(except automotive fuel)	85.8	5.7	85.6	5.4	87.7	6.6	87.5	6.3	
II. Specialized store categories									
Supermarkets	89.7	-5.2	89.8	-5.1	87.2	-5.5	87.3	-5.4	
Department stores	86.8	6.6	86.8	6.6	92.6	7.2	92.6	7.2	
Automotive fuel	70.9	-2.5	70.7	-2.8	72.4	3.3	72.2	3.0	
Food-beverages-tobacco Pharmaceutical products,	83.4	2.0	83.3	1.8	79	1.0	78.9	0.9	
cosmetics	72.5	5.4	72.3	5.1	75.8	5.9	75.6	5.6	
Clothing and footwear	90.7	15.2	90.5	15.0	87.1	14.3	86.9	14.0	
Furniture, electrical equipment, household equipment	66.8	-4.8	66.8	-4.8	76.6	-1.8	76.6	-1.8	
Books, Stationery, other goods	138.8	10.1	139.0	10.2	150.7	12.4	151.0	12.6	
Retail sale not in stores	60.6	-12.7	60.6	-12.7	:	<i>:</i>	:	:	

<sup>:</sup> Volume Index for the "Retail sale not in stores" is not calculated.

The final indices of the specialized store categories of December 2015 have been changed in relation to the corresponding provisional indices published in the previous press release. The changes are due to new data of the surveyed enterprises mainly in the economic activities of "Automotive fuel" and "Pharmaceutical products, cosmetics".

## 1. Annual comparison of the turnover index

The -3.8% change of the turnover index in January 2016 compared with the corresponding index in January 2015 is due to the following changes in the main retail trade store categories:

Specialized store categories	Annual change %
Pharmaceutical products, cosmetics	0.5
Clothing and footwear	-2.1
Books, Stationery, other goods	-2.6
Supermarkets	-4.0
Automotive fuels	-11.4

# 2. Annual comparison of the volume index

The -2.2% change of the volume index in January 2016 compared with the corresponding index in January 2015 is due to the following changes in the main retail trade store categories:

Specialized store categories	Annual change %
Clothing and footwear	9.0
Pharmaceutical products, cosmetics	0.5
Books, Stationery, other goods	-0.6
Supermarkets	-3.7
Automotive fuel	-9.0

Table 1.Annual rates of change of turnover index and volume index in retail trade (Reduced data on the basis of a typical month)

Base year: 2010=100.0

Retail Trade Store Categories	Tu	ırnover Inde	ex	Volume Index			
Retail Trade Store Categories	January 2016*	January 2015	Annual change (%)	January 2016*	January 2015	Annual change (%)	
Overall Index Overall Index (except automotive fuel)	66.4	69.0	-3.8	67.2	68.7	-2.2	
	67.7	69.1	-2.0	68.8	69.2	-0.6	
I. Main store categories Food sector Automotive fuel sector Non-food sector (except automotive fuel)	73.3	75.4	-2.8	69.6	71.6	-2.8	
	61.5	69.4	-11.4	64.7	71.1	-9.0	
	61.8	62.5	-1.1	68.8	67.1	2.5	
II. Specialized store categories Supermarkets	75.0	78.1	-4.0	72.7	75.5	-3.7	
Department stores  Automotive fuel	72.3	66.3	9.0	86.4	75.5	14.4	
	61.5	69.4	-11.4	64.7	71.1	-9.0	
Food-beverages-tobacco	63.0	59.7	5.5	59.4	56.4	5.3	
Pharmaceutical products, cosmetics  Clothing and footwear Furniture, electrical equipment, household equipment	60.4	60.1	0.5	63.0	62.7	0.5	
	70.7	72.2	-2.1	89.6	82.2	9.0	
	46.7	47.7	-2.1	55.5	56.3	-1.4	
Books, Stationery, other goods  Retail sale not in stores	79.6	81.7	-2.6	87.3	87.8	-0.6	
	46.6	51.7	-9.9	:	:	:	

<sup>\*</sup> Provisional data

<sup>:</sup> Volume Index for the "Retail sale not in stores" is not calculated

Table 2. Monthly rates of change of turnover index and volume index in retail trade (Reduced data on the basis of a typical month)

Base year: 2010=100.0 **Turnover Index Volume Index Retail Trade Store Categories** Monthly Monthly January **December** January December change change 2016\* 2015 2016\* 2015 (%) (%) **Overall Index** 66.4 84.1 -21.0 67.2 82.3 -18.3 **Overall Index** (except automotive fuel) 67.7 87.4 -22.5 68.8 85.9 -19.9 I. Main store categories Food sector 73.3 88.9 -17.5 69.6 84.7 -17.8 Automotive fuel sector 61.5 70.7 -13.0 64.7 72.2 -10.4 Non-food sector (except automotive fuel) 61.8 85.6 -27.8 68.8 87.5 -21.4 II. Specialized store categories Supermarkets 89.8 72.7 75.0 -16.5 87.3 -16.7 Department stores 72.3 86.8 -16.7 86.4 92.6 -6.7 Automotive fuel 61.5 70.7 -13.0 64.7 72.2 -10.4 Food-beverages-tobacco 63.0 83.3 -24.4 59.4 78.9 -24.7 Pharmaceutical products, cosmetics 60.4 72.3 -16.5 63.0 75.6 -16.7 Clothing and footwear 70.7 90.5 -21.9 89.6 86.9 3.1 Furniture, electrical equipment, household equipment 46.7 66.8 -30.1 55.5 76.6 -27.5 Books, Stationery, other goods 79.6 139.0 -42.7 87.3 151.0 -42.2 Retail sale not in stores 46.6 60.6 -23.1

Provisional data

<sup>:</sup> Volume Index for the "Retail sale not in stores" is not calculated

Table 3. Evolution of the turnover in retail trade (Reduced data on the basis of a typical month)

-8.3

0.4

1.5

4.4

-0.9

0.8

-1.4

-3.8

-1.2

-1.8

-3.1

-0.6

-3.1

2.4

-1.7

-8.6

-3.8

-5.3

-3.6

-5.4

-0.2

-2.8

-3.8

71.4

75.4

74.9

76.4

74.6

73.6

71.7

87.0

74.1

69.1

68.9

71.0

75.6

73.8

74.6

70.2

75.4

73.1

73.3

69.3

87.4

73.5

67.7

-8.8

0.1

0.9

4.2

-0.7

8.0

-0.8

-1.0

-0.9

1.3

-0.4

2.2

-1.7

3.4

-1.1

-6.3

-1.3

-2.0

-0.4

-3.3

0.5

-0.8

-2.0

Base year: 2010=100.0 Overall index Non-food sector **Automotive fuel** Overall index Year-month Food sector (except (except automotive sector automotive fuel) fuel) Annual Annual Annual Annual Annual Index Index Index Index Index change change change change change (%) (%) (%) (%) (%) 70.3 -2.9 68.2 -3.7 74.2 -3.6 81.4 0.0 62.3 -3.5 70.6 -1.9 69.2 -2.0 76.7 -0.8 77.8 -1.7 61.8 -3.3 70.9 -3.8 69.5 -4.0 80.5 -3.3 78.4 -3.5 58.1 -4.0 76.9 3.8 76.9 3.6 85.0 5.9 78.2 68.5 0.6 5.5

-11.7

-2.4

-0.9

5.6

-2.0

2.0

0.4

1.0

-0.8

1.6

-0.5

-1.9

-1.3

2.7

0.4

-3.2

-2.3

-2.0

-1.1

-5.4

-4.1

-1.6

-2.8

73.1

80.8

79.8

86.2

80.0

79.7

76.6

72.7

78.7

69.4

67.0

69.5

70.8

72.3

77.6

65.6

74.8

65.0

65.8

65.4

70.7

69.5

61.5

-4.8

2.0

2.8

3.2

-2.7

0.6

-4.0

-15.4

-1.6

-14.7

-13.9

-11.4

-9.5

-1.1

-4.0

-17.8

-13.2

-18.8

-17.4

-14.6

-2.8

-11.7

-11.4

63.5

66.7

68.1

61.4

66.9

66.1

65.8

81.2

65.9

62.5

61.1

62.6

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66.0

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61.8

-4.6

3.9

3.2

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8.0

-1.5

-3.1

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0.3

-1.1

7.7

-2.3

3.9

-3.1

-10.3

0.0

-2.2

8.0

-1.1

5.4

-0.3

-1.1

79.1

83.9

81.5

90.9

82.0

80.7

77.4

92.7

82.1

75.4

76.3

79.0

83.9

81.2

84.2

78.9

88.8

80.4

79.8

73.2

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2014 Π

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Average

2016 I\*

Average

2015 I

71.6

76.2

75.7

78.1

75.4

74.5

72.4

84.3

74.7

69.0

68.4

70.5

74.5

73.3

74.9

69.2

75.1

71.4

71.8

68.5

84.1

72.6

66.4

<sup>\*</sup>Provisional data

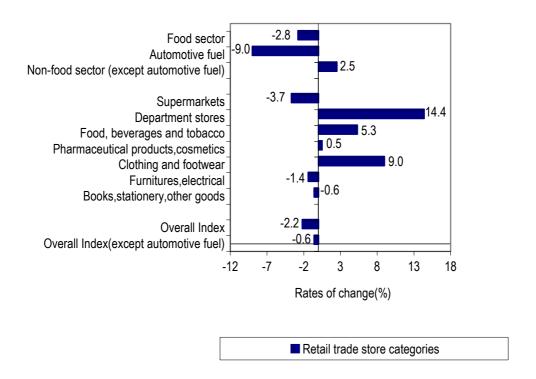
Table 4. Evolution of the turnover in volume (Reduced data. on the basis of a typical month)

Base year: 2010=100

	Overall index		automotive fuel)		Food sector		Automotive fuel sector		Non-food sector (except automotive fuel)	
Year-month	Index	Annual change (%)	Index	Annual change (%)	Index	Annual change (%)	Index	Annual change (%)	Index	Annual change (%)
2014 I	68.3	-3.0	67.8	-4.5	70.2	-3.3	70.3	3.1	65.7	-4.4
II	70.4	-2.9	71.0	-4.4	73.1	0.3	66.9	4.0	69.9	-7.3
III	67.5	-3.4	67.6	-4.4	76.0	-2.3	67.0	0.6	58.4	-5.2
IV	72.6	5.1	74.2	5.0	80.2	7.8	66.3	6.1	67.6	1.7
V	68.6	-6.2	70.3	-6.1	75.2	-9.3	61.8	-5.4	64.9	-0.9
VI	72.3	1.7	73.3	1.7	79.8	0.1	67.8	1.2	66.1	4.4
VII	73.6	1.5	75.1	0.9	78.2	1.4	66.5	2.6	71.8	1.7
VIII	77.7	3.2	78.4	2.2	87.5	7.8	72.9	5.2	68.3	-2.0
IX	71.9	0.0	72.8	0.1	78.4	-0.9	68.3	-1.0	66.4	1.1
X	71.3	2.1	71.8	2.0	76.9	2.8	69.7	2.7	66.1	0.5
XI	70.4	-1.3	71.0	-1.3	73.9	0.5	69.1	-0.1	68.0	-3.3
XII	82.1	-1.4	85.7	0.4	88.8	1.7	70.1	-5.4	82.3	-1.8
Average	72.2	-0.4	73.3	-0.7	78.2	0.5	68.1	1.2	68.0	-1.3
2015 I	68.7	0.6	69.2	2.1	71.6	2.0	71.1	1.1	67.1	2.1
II	69.2	-1.7	70.6	-0.6	72.2	-1.2	65.8	-1.6	69.9	0.0
III	68.2	1.0	69.5	2.8	74.2	-2.4	65.6	-2.1	64.5	10.4
IV	71.3	-1.8	73.2	-1.3	78.7	-1.9	66.0	-0.5	67.5	-0.1
V	71.4	4.1	73.1	4.0	76.9	2.3	66.1	7.0	69.2	6.6
VI	72.0	-0.4	72.9	-0.5	79.5	-0.4	70.5	4.0	65.8	-0.5
VII	68.3	-7.2	70.6	-6.0	75.3	-3.7	59.5	-10.5	65.8	-8.4
VIII	76.1	-2.1	77.8	-0.8	84.6	-3.3	70.7	-3.0	70.4	3.1
IX	69.5	-3.3	71.7	-1,5	75.9	-3.2	64.1	-6.1	67.3	1.4
X	69.6	-2.4	71.5	-0.4	75.4	-2.0	66.0	-5.3	67.5	2.1
XI	67.3	-4.4	68.6	-3.4	69.3	-6.2	66.1	-4.3	68.4	0.6
XII	82.3	0.2	85.9	0.2	84.7	-4.6	72.2	3.0	87.5	6.3
Average	71.2	-1.4	72.9	-0.5	76.5	-2.2	67.0	-1.6	69.3	1.9
2016 I*	67.2	-2.2	68.8	-0.6	69.6	-2.8	64.7	-9.0	68.8	2.5

<sup>\*</sup>Provisional data

Graph 4. Annual rates of change (%) of the volume index in retail trade, between January 2016 and January 2015



Graph 5. Monthly rates of change (%) of the volume index in retail trade, between

January 2016 and December 2015

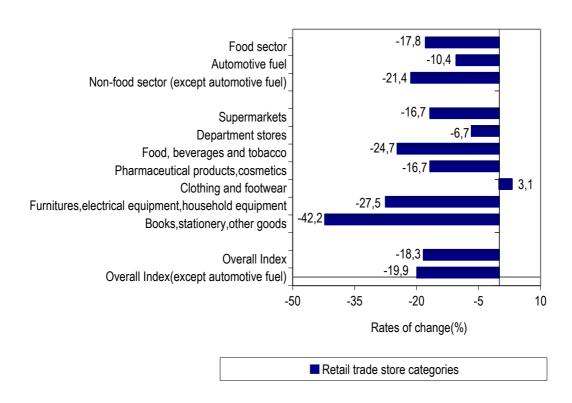


Table 5. Monthly changes of Seasonally Adjusted Turnover and Volume Index

Base Year: 2010=100.0

	Tu	ırnover Index		Volume Index				
Retail Trade Store Categories	January 2016*	December 2015	Monthly change (%)	January 2016*	December 2015	Monthly change (%)		
Overall Index	71.1	72.3	-1.6	70.3	71.0	-1.0		
Overall Index (except automotive fuel)	73.0	73.5	-0.7	72.8	73.0	-0.2		
I. Main store categories								
Food sector	79.2	79.7	-0.6	74.9	75.4	-0.6		
Automobile fuel	63.0	67.8	-7.0	63.8	67.5	-5.5		
Non-food sector (except automotive fuel)	65.3	66.8	-2.3	70.3	70.9	-0.8		
II Specialized store categories								
Supermarkets	81.4	80.7	-0.8	77.9	78.5	-0.8		
Department stores	74.1	73.6	0.7	83.8	83.2	0.7		
Automotive fuel	63.0	67.8	-7.0	63.8	67.5	-5.5		
Food-beverages-tobacco	69.1	69.1	0.0	65.7	65.5	0.4		
Pharmaceutical products. cosmetics	64.8	65.9	-1.7	67.2	68.8	-2.4		
Clothing and footwear	66.8	69.5	-3.9	75.0	74.9	0.2		
Furniture, electrical equipment, household equipment	54.1	53.8	0.5	65.2	64.4	1.2		
Books, Stationery, other goods	86.0	90.1	-4.6	93.7	98.3	-4.6		
Retail sales not in stores	51.4	51.5	-0.1	:	:	:		

<sup>\*</sup> Provisional data

<sup>:</sup> Volume Index for the "Retail sale not in stores" is not calculated

Table 6. Monthly evolution of the seasonally adjusted turnover index

Base year: 2010=100.0

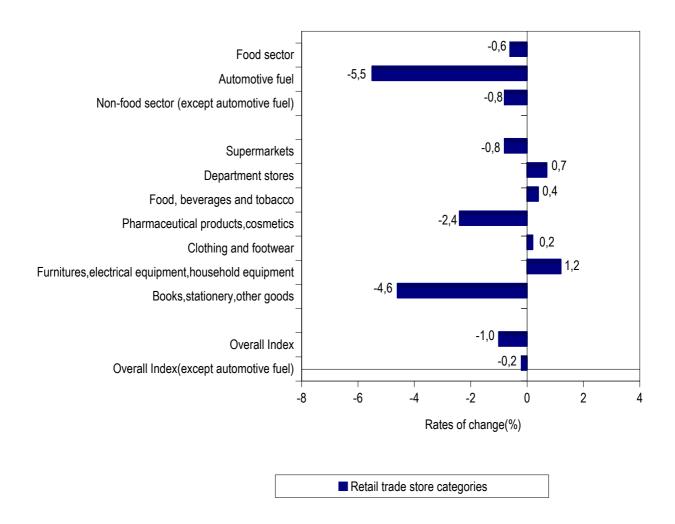
Year-month	Overal	l index	Overall index (except automotive fuel)		Food sector			otive fuel ctor	Non-food sector (except automotive fuel)	
	Index	Monthly change (%)	Index	Monthly change (%)	Index	Monthly change (%)	Index	Monthly change (%)	Index	Monthly change (%)
2014 I	74.6	-0.9	73.4	-0.8	81.3	0.4	81.4	-0.3	65.4	-1.0
II	75.0	0.6	74.1	1.0	81.9	0.7	79.8	-2.0	65.8	0.6
III	73.8	-1.6	73.2	-1.3	80.8	-1.3	79.5	-0.4	64.2	-2.5
IV	75.4	2.2	74.8	2.2	83.1	2.9	79.6	0.1	66.0	2.7
V	73.1	-3.1	72.4	-3.2	80.8	-2.9	77.1	-3.1	65.2	-1.1
VI	74.9	2.4	74.3	2.7	80.9	0.2	79.5	3.1	67.5	3.4
VII	76.4	2.0	75.5	1.5	82.2	1.5	80.8	1.5	68.7	1.9
VIII	76.2	-0.2	75.2	-0.3	83.6	1.8	81.3	0.7	66.5	-3.3
IX	75.4	-1.1	74.5	-1.0	81.8	-2.1	79.3	-2.6	66.8	0.5
Х	74.2	-1.6	73.8	-1.0	81.7	-0.1	79.3	0.1	65.7	-1.7
XI	74.8	0.8	74.6	1.1	82.3	0.7	76.9	-3.0	65.9	0.4
XII	72.7	-2.8	73.4	-1.6	81.6	-0.9	70.0	-9.0	63.7	-3.3
Average	74.7		74.1		81.8		78.7		66.0	
2015 I	73.0	0.5	74.0	0.9	81.4	-0.2	70.9	1.3	66.0	3.5
II	72.9	-0.2	73.8	-0.3	81.4	0.0	69.9	-1.3	65.3	-1.0
III	73.9	1.4	74.5	0.9	81.7	0.4	71.1	1.7	67.3	3.0
IV	73.2	-0.9	73.8	-0.8	81.5	-0.2	71.9	1.2	65.6	-2.6
V	74.3	1.5	74.5	0.9	81.7	0.2	74.7	3.9	67.2	2.4
VI	73.9	-0.5	73.9	-0.8	82.1	0.4	75.0	0.3	65.4	-2.6
VII	70.1	-5.2	71.6	-3.2	79.8	-2.7	66.8	-10.9	62.9	-3.8
VIII	72.9	4.0	73.8	3.1	81.1	1.6	70.4	5.4	66.2	5.3
IX	71.6	-1.8	73.1	-0.9	80.3	-1.0	65.0	-7.6	65.4	-1.3
Х	72.2	0.9	73.8	0.8	81.2	1.2	65.7	1.0	66.0	1.0
XI	71.0	-1.7	72.5	-1.7	78.5	-3.3	65.5	-0.2	65.3	-1.0
XII	72.3	1.8	73.5	1.4	79.7	1.5	67.8	3.4	66.8	2.3
Average	72.6		73.6		80.9		69.5		65.8	
2016 I	71.1	-1.6	73.0	-0.7	79.2	-0.6	63.0	-7.0	65.3	-2.3

Table 7. Monthly evolution of the seasonally adjusted volume index

Year-month	Overall index		Overall index (except automotive fuel)		Food sec	tor	Automo sector	otive fuel	Non-food sector (except automotive fuel)	
	Index	Monthly change (%)	Index	Monthly change (%)	Index	Monthly change (%)	Index	Monthly change (%)	Index	Monthly change (%)
2014 I	71.2	-0.7	72.0	-0.8	76.8	0.5	68.0	-0.6	67.6	-0.9
II	71.7	0.8	72.6	0.9	77.9	1.5	68.1	0.1	67.5	-0.1
III	71.6	-0.1	72.2	-0.6	76.7	-1.6	68.5	0.6	66.0	-2.2
IV	73.4	2.4	74.6	3.3	79.2	3.2	68.4	-0.1	69.0	4.6
V	70.5	-3.9	71.6	-4.1	77.1	-2.6	66.1	-3.4	67.3	-2.5
VI	72.7	3.1	73.9	3.2	77.3	0.3	67.8	2.6	69.4	3.0
VII	73.3	0.9	74.4	0.7	78.4	1.4	69.5	2.4	70.2	1.3
VIII	73.3	0.0	73.9	-0.7	80.2	2.2	70.2	1.1	67.5	-3.9
IX	72.6	-1.0	73.6	-0.4	78.1	-2.5	68.5	-2.4	68.6	1.7
Χ	72.9	0.4	73.8	0.3	77.7	-0.5	69.3	1.2	68.5	-0.2
XI	72.8	-0.1	74.0	0.3	78.2	0.6	68.4	-1.3	68.2	-0.4
XII	71.0	-2.5	73.0	-1.3	77.5	-0.9	65.5	-4.2	67.5	-1.1
Average	72.3		73.3		77.9		68.2		68.1	
2015 I	71.9	1.2	73.5	0.7	77.0	-0.6	69.4	5.9	68.9	2.1
II	71.0	-1.2	72.8	-1.0	76.9	-0.1	67.5	-2.7	68.3	-0.8
III	72.2	1.7	73.9	1.6	77.3	0.5	67.3	-0.2	70.5	3.1
IV	71.8	-0.7	73.2	-1.0	77.3	-0.1	67.7	0.6	68.6	-2.7
V	72.9	1.6	74.1	1.2	77.6	0.5	69.3	2.3	70.1	2.2
VI	72.0	-1.3	73.2	-1.2	77.9	0.4	69.5	0.2	69.0	-1.6
VII	69.0	-4.1	71.2	-2.7	75.6	-3.1	63.0	-9.2	67.4	-2.3
VIII	71.5		73.1	2.7	77.0		67.8	7.5	69.8	3.6
IX	70.4		72.7	-0.6	75.7		64.7		69.6	-0.3
Χ	71.0		73.1	0.7	76.8	1.5	65.7		69.9	0.4
XI	69.9		72.0	-1.6	73.9	-3.8	65.4		69.6	-0.4
XII	71.0	1.7	73.0	1.4	75.4	2.0	67.5	3.1	70.9	1.9
Average	71.2		73.0		76.5		67.1		69.4	
2016 I	70.3	-1.0	72.8	-0.2	74.9	-0.6	63.8	-5.5	70.3	-0.8

Base year: 2010=100.0

Graph 6. Monthly rates of change (%) of the seasonally adjusted volume index in retail trade, between January 2016 and December 2015.



### **METHODOLOGICAL NOTES**

### Generally

The Retail Trade Turnover Index with the current form is being released since January 2005. The Retail Trade Turnover Index is a continuation of the Retail Sales Value Index, which had been compiled during the period 1963 to 2004.

# Purpose of the index – definitions

The purpose of the Retail Trade Turnover Index is to depict the evolution of the goods and services market. Turnover comprises the total amounts invoiced by the enterprise during the reference period which correspond to the resale of goods without any further transformation. The data collected each month refers to the actual sales (both retail and wholesale) excluding VAT but including other duties and taxes on the goods.

### Legal basis

The compilation of the Retail Trade Turnover Index is governed by Council Regulation (EC) No.1165/98 of 19 May 1998 concerning short-term statistics and by Regulation (EC) No.1893/2006 of the European Parliament and of the Council of 20 December 2006 establishing the statistical classification of economic activities NACE Revision 2.

### Reference period

Month

### Base year

2010=100.0.

#### Revision

Pursuant to the provisions of the Council Regulation No 1165/98 concerning short-term statistics, the index in question is revised every five (5) years, in years ending in 0 or 5. The purpose of revising the Retail Trade Turnover Index is to adapt the index to the changes in the structure of retail trade.

### Statistical classification

The NACE Rev.2 statistical classification of economic activities is used in conformity with the Regulation (EC) No 1893/2006 of the European Parliament and of the Council.

# Geographical coverage

The index covers the Whole Country with data coming from 61 Regional Units.

# Coverage of economic activities

The index covers the division 47 of NACE Rev 2 statistical classification of economic activities.

# Statistical survey

In the framework of the survey carried out for the compilation of the Retail Trade Turnover Index (2010=100.0), it was decided to include 41,801 retail trade enterprises listed in the Business Register of ELSTAT having an annual turnover (in 2010) equal to or higher than 200.000 euro. Out of these enterprises a random sample of 1,607 enterprises was selected.

### **Volume Index**

Since 2005 onwards the Retail Trade Volume Index is also being compiled aiming at measuring changes in the volume of retail trade.

# Calculating the indices

The turnover index is calculated by the chaining method. First the moving based index is calculated by comparing the estimated turnover value for the current month with the corresponding value of the previous month. Afterwards the fixed base index for the current month is calculated by multiplying the moving-based index by the fixed base index of the previous month.

The indices are reduced to a typical month of equal duration. To this end the turnover estimates are multiplied by a suitable correction factor that is calculated by dividing the mean monthly number of working days in the given year by the number of the regular working days in the month under consideration.

The Retail Trade Volume Index is calculated by deflating the Retail Trade Turnover Index using the Consumer Price Index (CPI) as deflator.

### **Seasonal Adjustment**

Seasonal adjustment is the procedure followed to remove the impact of seasonality on the time series in order to improve the comparability over time. The method used is the TRAMO-SEAT method with the use of JDemetra+ 2.0.0. The whole series with seasonally adjusted indices is recalculated every time a new observation is added in time series.

### Compiled index series

Since the revision of the Retail Trade Turnover and Volume Indices due to the implementation of the classification NACE Rev 2, parallel time series for the indices including and not including fuels are provided. In addition, seasonally adjusted time series data are compiled.

### **Publication of data**

The time series of Retail Trade Turnover and Volume Indices (2010=100.0) which include fuel have being published since 2000 by categories of aggregated economic activity classes\*.

### References

More information on the methodology concerning the compilation and calculation of the index and for the time series is available on the ELSTAT website:

http://www.statistics.gr/en/statistics/-/publication/DKT39/-

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\*Categories of aggregated economic activity classes in the Turnover Index:

### Super-markets

Non-specialised stores with food, beverages or tobacco predominating

### **Department stores**

Other retail sale in non-specialised stores

### Food-beverages-tobacco

Fruit and vegetables. meat products. fishes. crustaceans and molluscs. bread. cakes. flour confectionery and sugar confectionery. beverages. tobacco products. other retail sale of food in specialised stores

#### **Automotive fuel**

Automotive fuel in specialised stores

### Pharmaceutical products. Cosmetics

Dispensing chemist, medical and orthopaedic goods, cosmetic and toilet articles in specialised stores

### Clothing and footwear

Textiles. clothing.. footwear and leather goods in specialised stores

## Furniture. electrical equipment. household equipment

Furniture. lighting equipment. audio and video equipment. hardware. paints and glass. electrical household appliances and other household articles. music and video recordings in specialised stores

### Books. stationery and other goods

Books. newspapers and stationery. computers. peripheral units and software. telecommunications equipment. carpets. rugs. wall and floor coverings. sporting equipment. games and toys. flowers. plants. seeds. fertilisers. pet animals and pet food. watches and jewellery. other retail sale of new goods in specialised stores

#### Retail sale not in stores

Retail sale via mail order houses. via Internet. via stalls and markets of other goods and other retail sale not in stores. stalls or markets