



PRESS RELEASE
SHORT-TERM INDICES OF EMPLOYMENT
(PERSONS EMPLOYED, HOURS WORKED, GROSS WAGES AND SALARIES)
IN MAIN SECTIONS OF THE ECONOMY¹: 4th Quarter 2020

The Hellenic Statistical Authority (ELSTAT) announces data on Short-term Indices of Employment (Persons Employed, Hours Worked and Gross Wages and Salaries) without adjustment (seasonal or adjustment for the number of working days) in main sections of the economy for the 4th quarter 2020.

The evolution of the Short-term Indices of Employment in the 4th quarter 2020 in comparison to the corresponding indices of the 4th quarter 2019 is as follows:

NACE Rev. 2	Section of economic activity	Annual rate of change (%) (2020/2019)		
		Index of Persons Employed	Index of Hours Worked	Index of Gross Wages and Salaries
B	Mining and Quarrying	-3.1	-15.5	-25.1
C	Manufacturing	-1.1	-8.7	-8.5
D	Electricity, Gas, Steam and Air Conditioning Supply	-4.8	-6.8	5.8
E	Water Supply, Sewerage, Waste Management and Remediation Activities	-6.5	4.3	17.2
F	Construction	2.5	0.2	2.8
H	Transportation and Storage	3.2	-9.5	-12.1
I	Accommodation and Food Service Activities	-1.0	-50.3	-47.4
J	Information and Communication	5.4	-2.4	12.4
M	Professional, Scientific and Technical Activities	-2.3	-6.6	2.4
N	Administrative and Support Service Activities	-6.9	-7.8	-4.8

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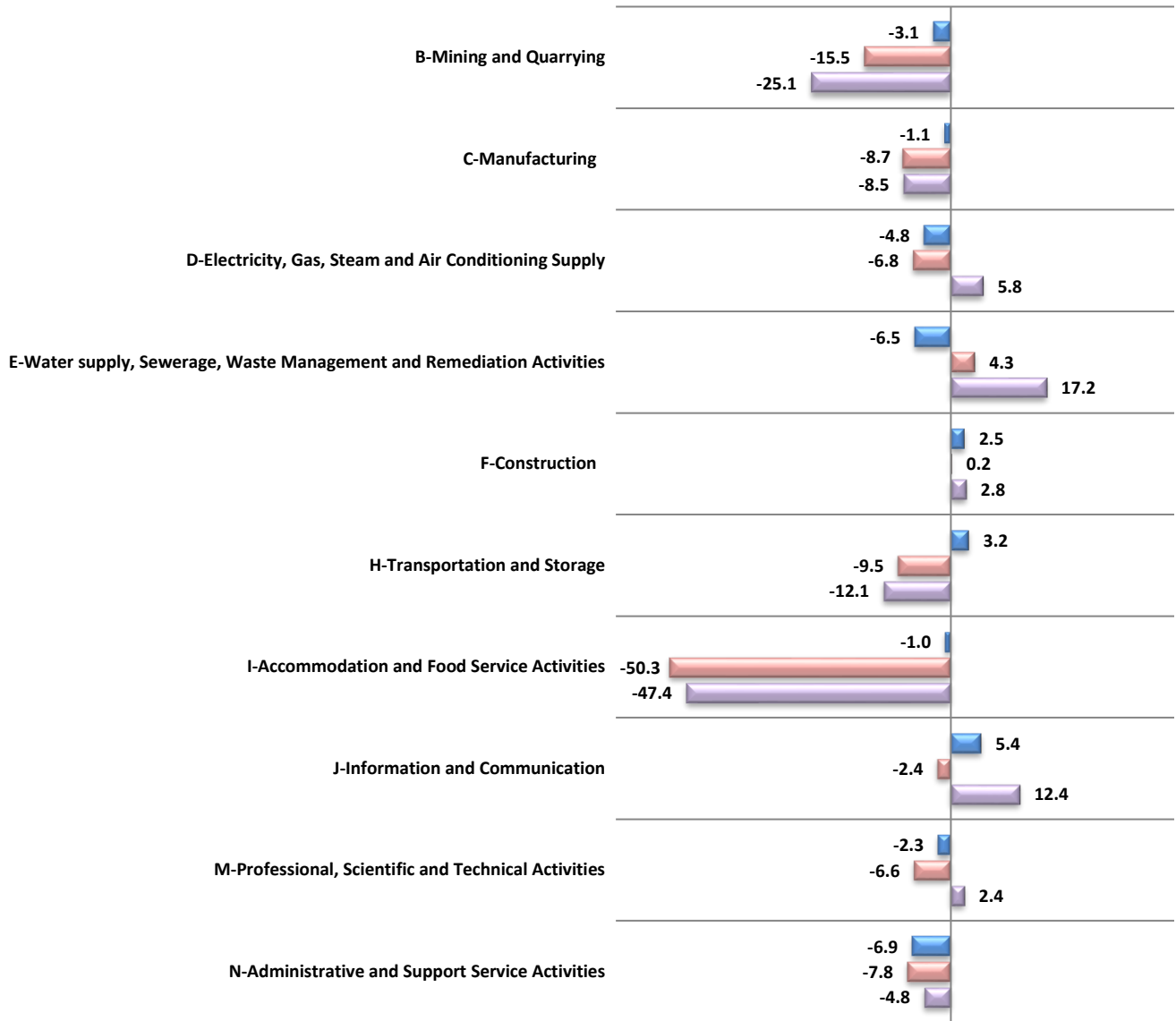
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¹ It refers to ten main sections of the statistical classification of economic activities NACE Rev. 2 of EU, namely B-E (Mining and Quarrying, Manufacturing, Electricity Supply and Water Supply), F (Construction), H-J and M-N (Other Services).

Graph 1. Annual rate of change (%) (4th quarter 2020/2019)

■ Index of Persons Employed ■ Index of Hours Worked ■ Index of Gross Wages and Salaries



In the following table, the Short-term Indices of Persons Employed, Hours Worked and Gross Wages and Salaries without adjustment (seasonal or adjustment for the number of working days) are presented analytically in ten main sections of the NACE Rev. 2 statistical classification of economic activities. Furthermore, data on the annual and quarterly rates of change of each index are presented, for the years 2019 – 2020 (4th quarter).

In the Graphs 2 to 11 that follow, the evolution over time of the Indices of Persons Employed, Hours Worked and Gross Wages and Salaries broken down by NACE Rev. 2 section, for the years 2018 – 2020 (4th quarter) is shown.

Table 1: Short-term Indices of Persons Employed, Hours Worked and Gross Wages and Salaries, annual and quarterly rates of change in main sections of economy, period: 1st quarter 2019 – 4th quarter 2020

(Data not seasonally adjusted and not adjusted for the number of the working days)

Base year: 2015 = 100.0

Year, quarter		Index of Persons Employed			Index of Hours Worked			Index of Gross Wages and Salaries		
		Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)
Section B – Mining and Quarrying										
2019	Q1	101.4	6.1	3.3	93.5	5.6	-2.2	92.6	7.4	-32.8
	Q2	104.6	4.8	3.2	97.2	3.3	4.0	118.1	17.6	27.5
	Q3	109.0	5.7	4.2	94.3	6.0	-3.0	124.2	25.0	5.2
	Q4	108.7	10.7	-0.3	100.8	5.4	6.9	167.6	21.7	34.9
Annual average		105.9			96.5			125.6		
2020	Q1	102.2	0.8	-6.0	91.7	-1.9	-9.0	100.9	9.0	-39.8
	Q2	106.2	1.5	3.9	90.1	-7.3	-1.7	111.9	-5.2	10.9
	Q3	104.2	-4.4	-1.9	84.7	-10.2	-6.0	113.9	-8.3	1.8
	Q4	105.3	-3.1	1.1	85.2	-15.5	0.6	125.6	-25.1	10.3
Annual average		104.5			87.9			113.1		
Section C - Manufacturing										
2019	Q1	109.8	4.1	2.0	114.5	2.9	2.0	103.4	5.8	-22.7
	Q2	112.2	5.1	2.2	118.0	4.2	3.1	125.7	9.0	21.6
	Q3	114.8	4.8	2.3	111.6	4.9	-5.4	123.0	8.4	-2.1
	Q4	114.6	6.5	-0.2	115.5	2.8	3.5	150.5	12.5	22.4
Annual average		112.9			114.9			125.7		
2020	Q1	114.7	4.5	0.1	113.8	-0.6	-1.5	106.1	2.6	-29.5
	Q2	113.3	1.0	-1.2	103.1	-12.6	-9.4	116.8	-7.1	10.1
	Q3	115.3	0.4	1.8	108.2	-3.0	4.9	125.6	2.1	7.5
	Q4	113.3	-1.1	-1.7	105.5	-8.7	-2.5	137.7	-8.5	9.6
Annual average		114.2			107.7			121.6		
Section D - Electricity, Gas, Steam and Air Conditioning Supply										
2019	Q1	95.0	-7.6	-0.7	105.1	-9.9	-1.2	84.7	-14.6	-12.0
	Q2	92.1	-10.7	-3.1	101.7	-14.1	-3.2	84.3	-18.0	-0.5
	Q3	90.5	-3.8	-1.7	99.1	-6.0	-2.6	85.2	-7.1	1.1
	Q4	93.6	-2.2	3.4	101.7	-4.4	2.6	93.5	-2.8	9.7
Annual average		92.8			101.9			86.9		
2020	Q1	94.9	-0.1	1.4	105.8	0.7	4.0	83.6	-1.3	-10.6
	Q2	94.2	2.3	-0.7	104.0	2.3	-1.7	85.1	0.9	1.8
	Q3	95.5	5.5	1.4	101.8	2.7	-2.1	88.0	3.3	3.4
	Q4	89.1	-4.8	-6.7	94.8	-6.8	-6.9	98.9	5.8	12.4
Annual average		93.4			101.6			88.9		

Table 1: Short-term Indices of Persons Employed, Hours Worked and Gross Wages and Salaries, annual and quarterly rates of change in main sections of economy, period: 1st quarter 2019 – 4th quarter 2020 (continued)

(Data not seasonally adjusted and not adjusted for the number of the working days)

Base year: 2015 = 100.0

Year, quarter		Index of Persons Employed			Index of Hours Worked			Index of Gross Wages and Salaries		
		Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)
Section E - Water Supply, Sewerage, Waste Management and Remediation Activities										
2019	Q1	90.4	-0.7	-1.5	115.3	-1.2	-0.2	100.5	2.1	-9.6
	Q2	91.0	-3.6	0.7	116.1	-4.3	0.7	97.5	-3.8	-3.0
	Q3	87.6	-7.7	-3.7	99.8	-10.4	-14.0	98.6	-0.9	1.1
	Q4	88.2	-3.9	0.7	106.3	-8.0	6.5	92.4	-16.9	-6.3
Annual average		89.3			109.4			97.3		
2020	Q1	84.1	-7.0	-4.6	104.5	-9.4	-1.7	96.4	-4.1	4.3
	Q2	86.9	-4.5	3.3	109.1	-6.0	4.4	101.2	3.8	5.0
	Q3	89.1	1.7	2.5	100.2	0.4	-8.2	98.3	-0.3	-2.9
	Q4	82.5	-6.5	-7.4	110.9	4.3	10.7	108.3	17.2	10.2
Annual average		85.7			106.2			101.1		
Section F – Construction										
2019	Q1	118.4	-9.5	1.4	129.7	-9.6	1.2	87.6	-17.0	-33.8
	Q2	112.4	-18.8	-5.1	129.6	-16.8	-0.1	107.5	-18.5	22.7
	Q3	97.5	-29.7	-13.2	114.4	-20.6	-11.7	103.5	-21.6	-3.7
	Q4	93.4	-20.0	-4.2	119.1	-7.1	4.1	124.1	-6.3	19.9
Annual average		105.4			123.2			105.7		
2020	Q1	92.0	-22.3	-1.6	116.7	-10.0	-2.0	89.1	1.6	-28.2
	Q2	94.0	-16.3	2.2	112.5	-13.2	-3.6	100.0	-6.9	12.3
	Q3	98.7	1.3	5.0	124.5	8.8	10.7	121.9	17.8	21.9
	Q4	95.8	2.5	-3.0	119.3	0.2	-4.1	127.6	2.8	4.6
Annual average		95.1			118.2			109.6		
Section H – Transportation and storage										
2019	Q1	109.6	1.5	3.7	108.0	2.1	3.7	99.3	4.3	-19.6
	Q2	109.5	3.3	-0.1	105.9	0.0	-2.0	117.4	7.0	18.2
	Q3	106.0	-1.7	-3.2	99.3	-0.4	-6.2	123.0	13.2	4.8
	Q4	99.3	-6.1	-6.3	99.4	-4.6	0.1	138.9	12.4	12.9
Annual average		106.1			103.1			119.7		
2020	Q1	101.6	-7.3	2.3	102.6	-5.1	3.3	109.0	9.7	-21.6
	Q2	103.9	-5.1	2.3	85.3	-19.4	-16.9	109.3	-6.9	0.3
	Q3	104.4	-1.5	0.5	90.1	-9.3	5.6	117.1	-4.8	7.2
	Q4	102.5	3.2	-1.7	89.9	-9.5	-0.1	122.2	-12.1	4.3
Annual average		103.1			92.0			114.4		

Table 1: Short-term Indices of Persons Employed, Hours Worked and Gross Wages and Salaries, annual and quarterly rates of change in main sections of economy, period: 1st quarter 2019 – 4th quarter 2020 (continued)

(Data not seasonally adjusted and not adjusted for the number of the working days)

Base year: 2015 = 100.0

Year, quarter		Index of Persons Employed			Index of Hours Worked			Index of Gross Wages and Salaries		
		Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)
Section I - Accommodation and Food Service Activities										
2019	Q1	79.2	6.4	-6.5	69.0	2.8	-14.2	75.9	5.5	-43.7
	Q2	119.2	4.1	50.4	119.7	2.0	73.3	142.3	8.1	87.4
	Q3	135.4	0.7	13.6	143.7	0.7	20.0	178.7	10.4	25.6
	Q4	74.8	-11.8	-44.8	74.3	-7.7	-48.3	153.8	14.2	-13.9
Annual average		102.1			101.7			137.7		
2020	Q1	68.8	-13.2	-8.0	59.6	-13.6	-19.7	78.1	2.9	-49.2
	Q2	72.1	-39.5	4.9	25.7	-78.5	-56.9	43.2	-69.7	-44.8
	Q3	92.8	-31.5	28.7	70.1	-51.2	172.5	120.1	-32.8	178.2
	Q4	74.0	-1.0	-20.3	36.9	-50.3	-47.4	81.0	-47.4	-32.6
Annual average		76.9			48.1			80.6		
Section J - Information and Communication										
2019	Q1	114.1	2.9	4.6	114.5	1.7	6.2	98.0	5.8	-21.4
	Q2	113.0	1.1	-1.0	111.9	0.7	-2.2	111.1	5.7	13.4
	Q3	110.1	-2.8	-2.6	97.8	-8.3	-12.6	110.6	2.9	-0.5
	Q4	111.0	1.7	0.8	110.9	2.9	13.4	133.4	7.1	20.7
Annual average		112.1			108.8			113.3		
2020	Q1	115.9	1.5	4.4	114.6	0.1	3.3	105.9	8.1	-20.6
	Q2	112.4	-0.5	-3.0	96.5	-13.8	-15.8	115.8	4.2	9.3
	Q3	110.7	0.5	-1.5	96.6	-1.2	0.2	116.4	5.2	0.5
	Q4	117.0	5.4	5.7	108.3	-2.4	12.1	149.9	12.4	28.8
Annual average		114.0			104.0			122.0		
Section M - Professional, Scientific and Technical Activities										
2019	Q1	109.7	-7.5	-8.9	112.6	-0.9	-4.9	88.4	3.8	-21.7
	Q2	116.2	-4.0	5.9	116.7	-2.0	3.6	106.3	5.4	20.3
	Q3	111.4	-6.6	-4.2	106.5	-4.8	-8.7	102.9	3.6	-3.2
	Q4	111.2	-7.8	-0.2	107.9	-8.8	1.3	117.1	3.7	13.7
Annual average		112.1			110.9			103.7		
2020	Q1	108.9	-0.8	-2.0	106.1	-5.8	-1.7	88.5	0.2	-24.4
	Q2	109.7	-5.6	0.7	93.9	-19.5	-11.5	94.0	-11.6	6.2
	Q3	110.8	-0.5	1.0	98.3	-7.7	4.7	101.3	-1.6	7.7
	Q4	108.6	-2.3	-2.0	100.8	-6.6	2.5	119.9	2.4	18.4
Annual average		109.5			99.7			100.9		

Table 1: Short-term Indices of Persons Employed, Hours Worked and Gross Wages and Salaries, annual and quarterly rates of change in main sections of economy, period: 1st quarter 2019 – 4th quarter 2020 (continued)

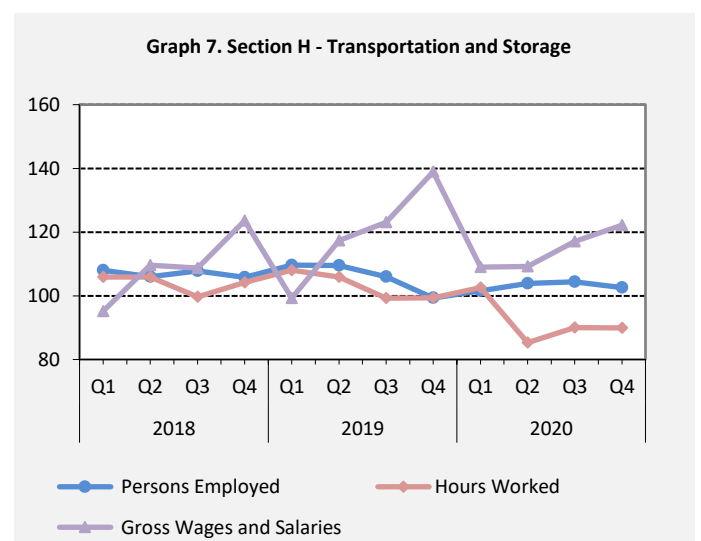
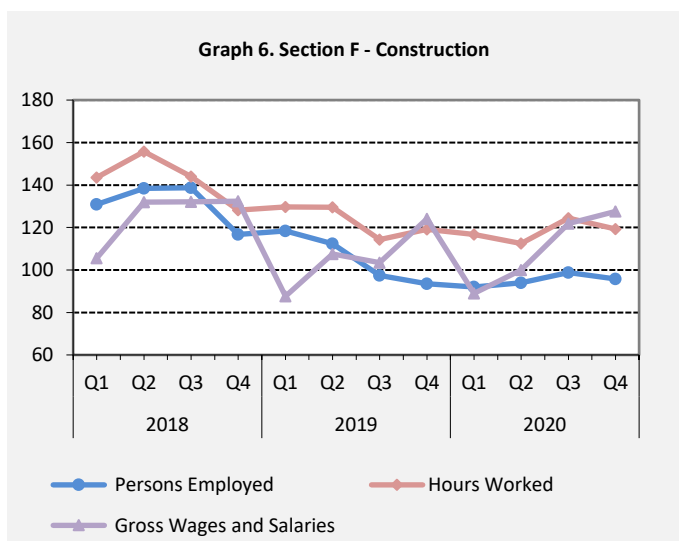
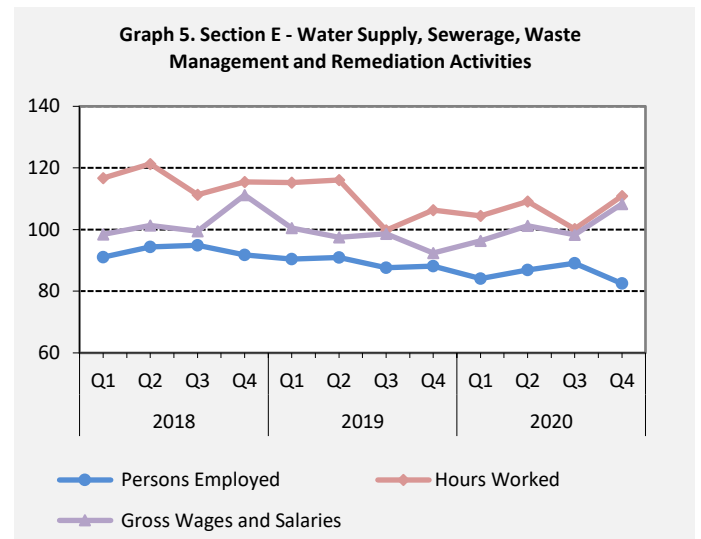
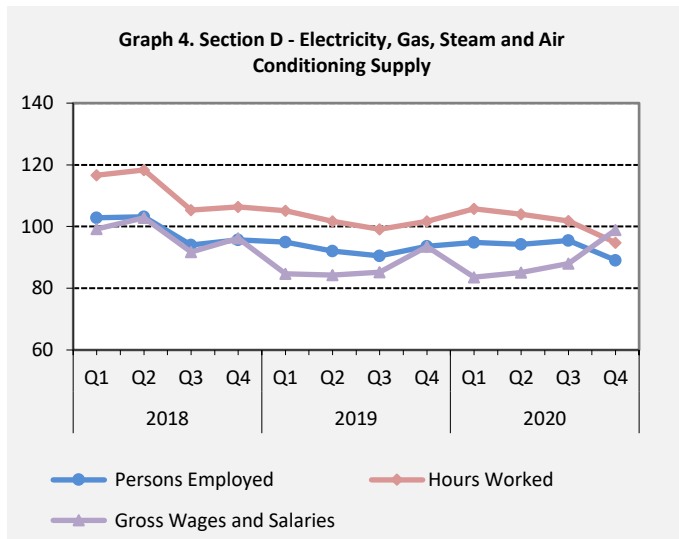
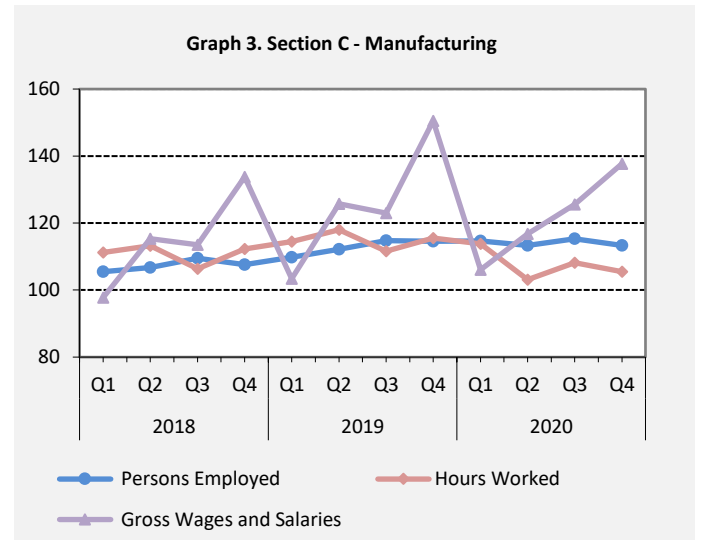
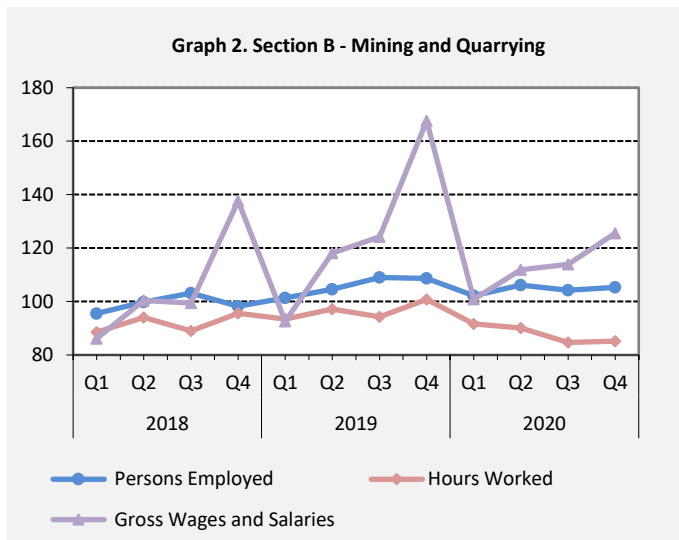
(Data not seasonally adjusted and not adjusted for the number of the working days)

Base year: 2015 = 100.0

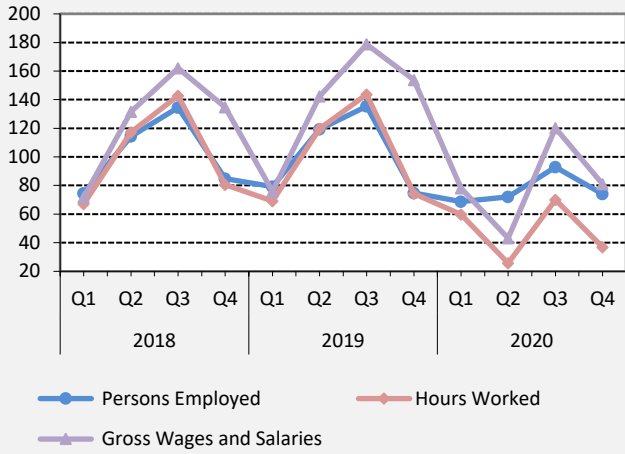
Year, quarter		Index of Persons Employed			Index of Hours Worked			Index of Gross Wages and Salaries		
		Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)
Section N - Administrative and Support Service Activities										
2019	Q1	84.1	-0.6	-0.3	87.6	-0.7	-2.3	75.1	0.5	-26.9
	Q2	85.2	-2.3	1.3	93.2	-0.7	6.4	93.2	4.5	24.1
	Q3	86.1	0.8	1.1	87.5	1.2	-6.1	96.0	9.6	3.0
	Q4	79.6	-5.6	-7.5	83.1	-7.3	-5.0	107.9	5.0	12.5
Annual average		83.7			87.8			93.0		
2020	Q1	78.6	-6.5	-1.3	79.5	-9.2	-4.3	76.0	1.2	-29.6
	Q2	81.1	-4.7	3.2	73.7	-21.0	-7.4	82.4	-11.5	8.5
	Q3	83.7	-2.7	3.2	80.5	-8.0	9.3	95.4	-0.6	15.7
	Q4	74.1	-6.9	-11.5	76.6	-7.8	-4.8	102.8	-4.8	7.8
Annual average		79.4			77.6			89.1		

Note: The indices and the percentage changes are rounded up to one decimal digit when published. Any difference in the percentage changes is due to rounding.

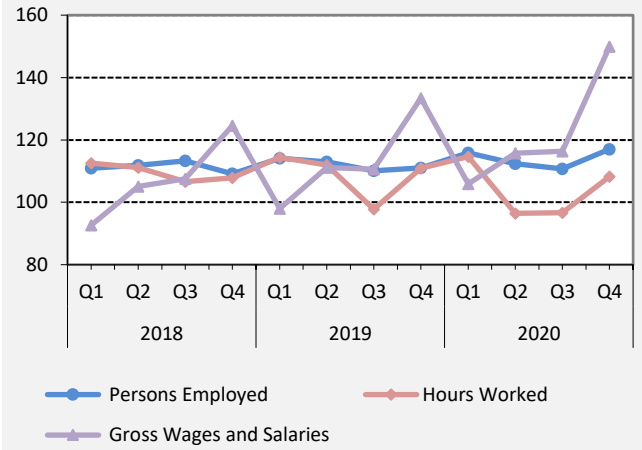
Graphs of the evolution of the Indices of Persons Employed, Hours Worked and Gross Wages and Salaries in main sections of economy (2015=100.0), for the years 2018 – 2020



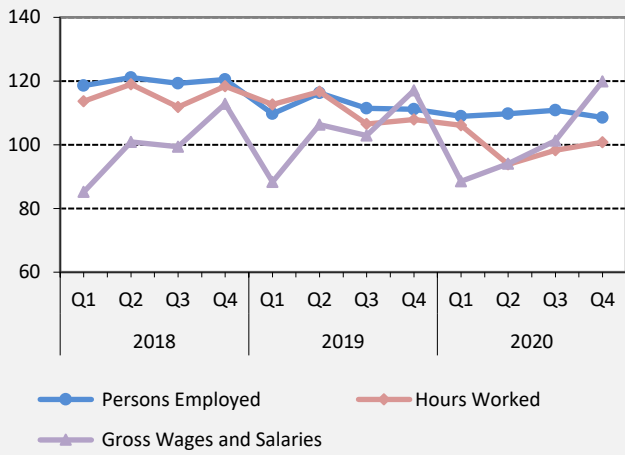
Graph 8. Section I - Accommodation and Food Service Activities



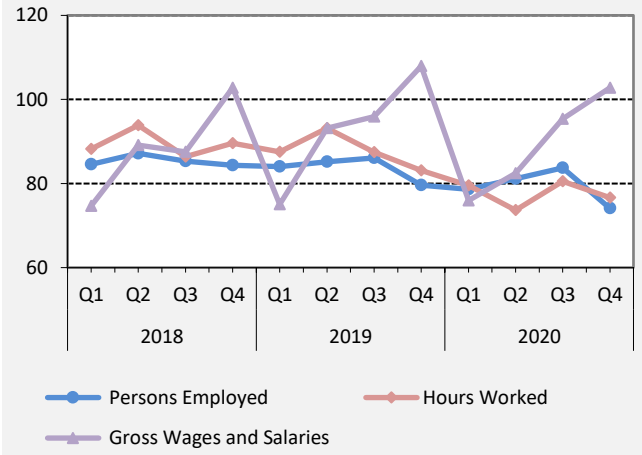
Graph 9. Section J - Information and Communication



Graph 10. Section M - Professional, Scientific and Technical Activities



Graph 11. Section N - Administrative and Support Service Activities



METHODOLOGICAL NOTES

Generally The Short-term Indices of Employment (Persons Employed, Hours Worked and Gross Wages and Salaries) are quarterly indices concerning the sections of economic activities B to E (Mining and Quarrying, Manufacturing, Electricity Supply and Water Supply), F (Construction), H to J and M to N (Other Services) of the statistical classification of economic activities NACE Rev. 2 of EU, having 2015 as the base year (2015=100.0).

Purpose of the index The purpose of the indices is to present the evolution of Persons Employed, Hours Worked and Gross Wages and Salaries on a quarterly basis in sections of economic activities B to E (Mining and Quarrying, Manufacturing, Electricity Supply and Water Supply), F (Construction), H to J and M to N (Other Services) of the statistical classification NACE Rev. 2.

Legal Framework The Short-term Indices of Employment (Persons Employed, Hours Worked and Gross Wages and Salaries) are compiled in the framework of the implementation of Council Regulation (EC) No 1165/1998 concerning short-term statistics (STS-R), Regulation (EC) No 1158/2005 of the European Parliament and of the Council, as well as Commission Regulation (EC) No 329/2009 both amending Council Regulation (EC) No 1165/1998. Furthermore, for the compilation of the aforementioned indices, Regulation (EC) No 1893/2006 of the European Parliament and of the Council establishing the statistical classification of economic activities NACE Rev. 2 and the Commission Regulation (EC) No 1503/2006 as regards definitions of variables, list of variables and frequency of data compilation.

Geographical coverage Greece, total.

Reference Period Quarter.

Base year 2015=100.0.

Revision The latest revision of the Short-term Indices of Employment (base year 2015=100.0) took place in the framework of Council Regulation (EC) No 1165/1998. In accordance with this regulation the index is revised every five years, in years ending in 0 or 5.

Definitions As **Number of Persons Employed** is defined the total number of persons employed in the enterprise, irrespectively of their status (owners, partners and their family members) and the nature of their work (managers, sales persons and auxiliary staff) and irrespectively of whether they work temporarily or seasonally, full-time or part-time employment, with or without remuneration.

As **Hours Worked** is defined the total number of hours actually worked in the enterprise during the reference quarter. It includes hours actually worked during regular working hours; hours worked overtime, whether paid or unpaid; hours worked during nights, Sundays or public holidays. It also includes the time which is spent at the place of work on tasks such as preparing the site and time corresponding to short periods of rest at the work place. This variable excludes hours paid but not actually worked such as for annual leave, holidays and sickness leave.

As **Wages and Salaries** is defined the total remuneration, in cash or in kind, payable to all persons counted on the payroll, in return for work done.

Statistical Classification The statistical classification of economic activities NACE Rev. 2 of EU is used.

Coverage of NACE Rev.2 sections of economic activity	B	Mining and Quarrying
	C	Manufacturing
	D	Electricity, Gas, Steam and Air Conditioning Supply
	E	Water Supply, Sewerage, Waste Management and Remediation Activities
	F	Construction
	H	Transportation and Storage
	I	Accommodation and Food Service Activities
	J	Information and Communication
	M	Professional, Scientific and Technical Activities
	N	Administrative and Support Service Activities

Data collection and processing in the context of the COVID-19 pandemic The compilation of the indices was based on data collected by enterprises and the use of an estimation method for the calculation of the missing data on the basis of the rate of changes of the values collected by enterprises, at section of economic activity and stratum level (class). For the 4th quarter 2020, the response rate of the enterprises was lower compared to the corresponding response rate of the 4th quarter 2019 by approximately 10%.

Calculation of the indices The Short-term Indices of Employment are calculated by applying the chaining method. Firstly, the moving base index is calculated by comparing the estimated value (number of persons employed, hours worked, wages and salaries) for the current quarter with the corresponding value of the previous quarter. Afterwards, the fixed base index for the current quarter is calculated by multiplying the moving base index by the fixed base index of the previous quarter.

References <http://www.statistics.gr/en/statistics/-/publication/DKT03/->