

1.4 STRUCTURAL INDICATORS OF THE SPANISH ECONOMY AND OF THE EU (a)
a) LEVELS

6-Mayo-2020 13:55:39

	1970	1975	1980	1985	1990	1995	2000	2005	2010	2015	2016	2017	2018
1. SPAIN													
I. GDP per capita and components (b)													
GDP per capita (current prices in PPPs)	1.8	3.5	5.7	8.3	12.4	13.7	18.9	23.5	24.3	26.3	26.6	27.5	28.1
GDP per capita (constant prices in PPPs)	11.8	14.4	15.0	15.7	19.3	20.4	24.4	26.6	26.2	26.3	27.0	27.8	28.3
Population aged 15-64/total population	62.7	62.4	62.9	64.7	66.5	68.3	68.7	68.9	68.1	66.3	66.1	66.0	65.7
Employment rate	57.7	55.8	50.0	43.8	49.8	46.0	55.7	63.8	59.1	58.1	59.7	61.3	62.9
Labour productivity	29.5	37.5	44.5	51.1	53.3	58.4	59.3	59.1	62.6	65.9	66.5	66.6	66.7
II. Total factor productivity and stocks of capital (c)													
Total factor productivity (2015=100)	64.9	77.0	84.2	91.0	94.9	97.0	99.4	98.9	97.9	100.0	101.8	103.1	104.1
Total capital stock/employment	58.7	76.1	100.5	120.6	121.3	145.7	144.9	153.5	185.8	203.0	200.2	196.9	194.9
Stock of productive capital/employment	47.8	58.6	75.2	89.0	89.2	107.0	104.1	104.6	122.4	130.9	128.3	125.4	123.3
Stock of private productive capital/employment	32.8	41.8	54.9	63.7	61.7	70.9	69.4	69.5	78.8	83.7	82.3	80.6	79.5
Stock of public capital/population	6.0	6.5	6.8	7.8	10.0	12.6	14.3	15.8	18.2	18.8	18.7	18.7	18.6
Stock of residential capital/population	44.0	44.2	44.2	44.5	46.1	47.2	49.8	52.7	55.3	57.6	58.0	58.5	59.0
Stock of technological capital/GDP . . . . .	...	...	...	1.9	2.2	2.9	2.8	3.6	5.2	5.9	5.8	5.7	5.7
Stock of human capital (e) . . . . .	...	...	...	...	...	51.4	56.1	60.1	61.9	64.7	65.2	65.5	66.2
Stock of human capital with quality correction (f) . . . . .	...	...	...	...	...	50.3	55.5	58.9	60.0	63.4	63.9	64.2	64.9
III. Supplementary indicators													
R&D expenditure/GDP . . . . .	...	...	...	0.5	0.8	0.8	0.9	1.1	1.4	1.2	1.2	1.2	1.2
Public R&D expenditure/GDP . . . . .	...	...	...	0.2	0.3	0.4	0.4	0.5	0.7	0.6	0.5	0.5	0.5
Private R&D expenditure/GDP . . . . .	...	...	...	0.3	0.5	0.4	0.5	0.6	0.7	0.6	0.6	0.7	0.7
Patent applications in the EPO/population . . . . .	...	...	1.1	3.2	6.5	9.7	19.8	31.2	32.5	35.1	35.3	35.6	...
Venture-capital investments/GDP . . . . .	...	...	...	...	...	...	...	...	0.1	0.1	...	...	...
Gross fixed capital formation/GDP	21.2	20.7	17.4	16.2	21.9	19.8	22.9	25.2	20.0	18.0	17.9	18.4	18.9
Private productive GFCF/GDP	10.7	11.1	10.1	7.6	10.8	10.1	11.7	12.0	9.1	10.0	10.0	10.1	10.3
Public GFCF/GDP	2.0	2.2	1.7	3.2	5.1	4.0	3.3	4.0	4.6	2.5	2.0	2.0	2.1
Residential GFCF/GDP	8.4	7.4	5.7	5.5	6.0	5.6	7.9	9.2	6.3	5.5	5.9	6.3	6.6
GFCF in non-residential construction/GDP	7.7	7.8	6.9	6.2	9.5	9.0	7.7	8.7	7.4	5.3	4.8	4.6	4.7
Public expend.on education per 100 inh.aged 16-64 . . . . .	...	...	...	...	...	70.8	90.6	121.2	151.9	144.3	147.9	152.2	156.9
Life-long learning (g) . . . . .	...	...	...	...	...	...	10.8	11.2	9.9	9.4	9.9	10.5	10.5
Higher studies (h) . . . . .	...	...	...	...	...	16.4	22.5	28.5	31.0	35.1	35.7	36.4	37.3
Total social expenditure per 100 inhabitant . . . . .	...	...	...	...	...	407.2	455.0	534.4	645.5	648.7	644.6	653.9	...
Health expenditure per 100 inhabitant . . . . .	...	...	...	...	...	112.5	133.0	164.0	182.2	173.3	167.9	170.5	...
Social benefits expend. per 100 inhabitant . . . . .	...	...	...	...	...	290.8	317.3	365.1	458.1	472.7	474.0	480.7	...
Public expend. on housing per 100 inhabitant . . . . .	...	...	...	...	...	3.9	4.7	5.3	5.2	2.6	2.7	2.8	...
Unemployment rate	2.6	4.5	11.5	17.8	15.5	20.7	11.9	9.2	19.9	22.1	19.6	17.2	15.3
Dependency rate (i)	15.3	16.5	17.2	18.5	20.4	22.2	24.3	24.1	24.9	28.1	28.5	29.0	...

Sources: Eurostat, Ameco (Annual Macro Economic Data Base from the European Commission), OECD and the Banco de España.

(a) All the monetary variables are measured in constant prices and in thousands of PPPs (purchasing power parities) of the year taken as a base (2016), except stocks of capital, which are expressed in constant euro, and current per capita GDP. The depicted variables of spending on R+D and investment in venture capital securities are also obtained from the series expressed in current terms. Data on population and the LFS data include information from the last census of population and dwellings 2012. Data on National Accounts correspond to ESA2010

(b) The GDP per capita and components series are prepared drawing on information provided by Eurostat as from 1995, chained backwards with the growth rates of the series provided by the European Commission in its spring forecasting exercise.

(c) The series for total factor productivity, stock of capital and gross fixed capital formation are obtained from the European Commission's spring economic forecasts.

(d) Calculated drawing on cumulative spending in R+D according to the perpetual inventory methodology.

(e) Weighted average of the labour force with tertiary, secondary and primary education relative to the labour force if everybody had tertiary education.

(f) Stock of human capital adjusted by the results of the PISA report.

(g) Percentage of 25-64-year-olds who have received some type of training in the four weeks prior to the Labor Force Survey.

(h) Percentage of 25-64-year-olds who have completed higher education studies.

(i) Over-65s as a proportion of the working-age population.

	1970	1975	1980	1985	1990	1995	2000	2005	2010	2015	2016	2017	2018
2. SPAIN/EURO AREA (EURO AREA=100)													
I. GDP per capita and components (b)													
GDP per capita (current prices in PPPs) (1)	74.9	80.1	72.3	71.3	75.9	79.5	85.0	91.4	88.3	85.0	85.5	86.3	85.9
GDP per capita (constant prices in PPPs) (1)	78.5	83.9	75.7	74.7	79.4	83.3	87.5	90.4	87.1	85.0	86.1	86.4	86.6
Population aged 15-64/total population (2)	99.3	98.6	97.4	96.4	98.5	101.1	101.9	102.9	102.6	102.0	102.1	102.2	102.2
Employment rate (3)	94.8	94.4	85.4	79.3	85.4	79.5	89.6	99.4	91.3	88.5	89.4	90.4	91.5
Labour productivity (1).	80.9	88.2	90.9	96.8	92.4	98.7	93.7	89.9	93.3	95.3	95.5	94.9	94.6
II. Total factor productivity and stocks of capital (c)													
Total factor productivity (2015=100) (4) . . . . .	...	...	...	...	...	108.6	104.8	101.9	100.7	100.0	100.8	100.8	101.0
Total capital stock/employment (1).	57.8	60.8	69.9	74.5	71.7	82.3	79.2	79.1	89.6	95.2	94.3	93.3	92.8
Stock of productive capital/employment (5) . . . . .	...	...	...	...	71.3	81.1	77.5	63.7	70.8	74.0	72.9	71.8	71.0
Stock of private productive capital/employment (5) . . . . .	...	...	...	...	87.5	94.3	88.9	87.8	94.2	98.2	96.9	95.5	94.6
Stock of public capital/population (5). . . . .	...	...	...	...	43.4	53.6	57.4	65.4	72.4	74.3	74.3	74.1	73.8
Stock of residential capital/population (5) . . . . .	...	...	...	...	47.9	50.9	52.1	56.8	58.3	60.1	60.5	60.8	61.1
Stock of technological capital/GDP (4) . . . . .	...	...	...	...	...	...	27.5	35.5	47.0	47.2	46.0	45.3	44.6
Stock of human capital (4) (e) . . . . .	...	...	...	...	...	...	91.5	95.3	95.0	95.8	96.0	96.1	96.4
Stock of human capital with quality correction (4) (f) . . . . .	...	...	...	...	...	...	91.5	94.3	93.1	94.8	95.1	95.1	95.4
III. Supplementary indicators													
R&D expenditure/GDP (4) . . . . .	...	...	...	...	...	...	49.5	61.7	68.1	57.2	55.8	55.7	56.1
Public R&D expenditure/GDP (4) . . . . .	...	...	...	...	...	...	63.3	77.9	88.9	77.1	74.6	74.1	73.1
Private R&D expenditure/GDP (4) . . . . .	...	...	...	...	...	...	41.6	52.8	56.5	46.9	46.2	46.6	47.8
Patent applications in the EPO/population (4) . . . . .	...	...	3.2	5.9	9.2	12.2	15.0	21.6	23.3	25.9	26.8	27.8	...
Venture-capital investments/GDP (4) . . . . .	...	...	...	...	...	...	...	...	40.7	45.9	...	...	...
Gross fixed capital formation/GDP (1)	83.0	89.3	80.3	84.5	102.4	95.2	103.5	115.8	98.6	90.5	88.1	89.9	92.1
Private productive GFCF/GDP (5)	42.0	47.7	186.2	65.8	104.8	105.0	106.1	115.0	93.4	96.6	94.6	94.9	96.0
Public GFCF/GDP (5) . . . . .	...	...	...	...	155.5	133.6	112.9	126.4	136.5	92.3	75.0	75.4	79.1
Residential GFCF/GDP (5) . . . . .	...	...	35.1	71.1	77.0	69.3	96.5	112.7	87.9	80.6	83.4	87.8	91.1
GFCF in non-residential construction/GDP (5) . . . . .	...	...	-264.7	93.5	126.2	129.8	116.6	134.6	124.7	99.9	93.4	89.7	91.7
Public expend.on education per 100 inh.aged 16-64 (6) . . . . .	...	...	...	...	...	51.2	58.9	67.3	72.9	65.1	65.5	66.0	66.7
Life-long learning (4) (g) . . . . .	...	...	...	...	...	...	...	136.7	138.3	90.8	83.9	87.6	91.3
Higher studies (4) (h) . . . . .	...	...	...	...	...	...	116.0	125.4	120.7	120.1	119.9	119.2	118.6
Total social expenditure per 100 inhabitant (6) . . . . .	...	...	...	...	...	60.3	62.2	68.5	74.4	71.4	70.0	70.5	...
Health expenditure per 100 inhabitant (4) . . . . .	...	...	...	...	...	60.7	67.0	75.5	74.2	68.4	65.0	64.7	...
Social benefits expend. per 100 inhabitant (4) . . . . .	...	...	...	...	...	60.8	61.0	66.4	75.7	74.1	73.3	74.0	...
Public expend. on housing per 100 inhabitant (4) . . . . .	...	...	...	...	...	34.0	36.4	39.3	31.8	15.0	18.2	18.4	...
Unemployment rate (7).	109.7	112.8	199.7	193.7	198.2	193.5	133.7	101.1	195.1	202.8	196.0	189.0	186.6
Dependency rate (8) (i)	80.7	81.3	82.0	93.9	96.7	98.5	100.1	92.2	90.0	92.5	92.4	92.2	...

Sources: Eurostat, Ameco (Annual Macro Economic Data Base from the European Commission), OECD and the Banco de España.

(a) All the monetary variables are measured in constant prices and in thousands of PPPs (purchasing power parities) of the year taken as a base (2016), except stocks of capital, which are expressed in constant euro, and current per capita GDP. The depicted variables of spending on R+D and investment in venture capital securities are also obtained from the series expressed in current terms. Data on population and the LFS data include information from the last census of population and dwellings 2012. Data on National Accounts correspond to ESA2010

(b) The GDP per capita and components series are prepared drawing on information provided by Eurostat as from 1995, chained backwards with the growth rates of the series provided by the European Commission in its spring forecasting exercise.

(c) The series for total factor productivity, stock of capital and gross fixed capital formation are obtained from the European Commission's spring economic forecasts.

(d) Calculated drawing on cumulative spending in R+D according to the perpetual inventory methodology.

(e) Weighted average of the labour force with tertiary, secondary and primary education relative to the labour force if everybody had tertiary education.

(f) Stock of human capital adjusted by the results of the PISA report.

(g) Percentage of 25-64-year-olds who have received some type of training in the four weeks prior to the Labor Force Survey.

(h) Percentage of 25-64-year-olds who have completed higher education studies.

(i) Over-65s as a proportion of the working-age population.

(1) Up to 1995, EMU12. From 1995 (included) on, EMU19.

(2) Up to 1993, EMU12. From 1993 (included) on, EMU19.

(3) EMU12.

(4) EMU19.

(5) Up to 2000, EMU12. From 2000 (included) on, EMU19.

(6) Up to 1999, EMU12. From 1999 (included) on, EMU19.

(7) Up to 1990, EMU12. From 1990 (included) to 1997, EMU17. From 1997 (included) on, EMU19.

(8) Up to 1992, EMU12. From 1992 (included) on, EMU19.

	1970	1975	1980	1985	1990	1995	2000	2005	2010	2015	2016	2017	2018
3. SPAIN/EU (EU=100) (b)													
I. GDP per capita and components (b)													
GDP per capita (current prices in PPPs) (1)	74.8	80.7	73.4	71.7	76.3	89.9	95.4	100.1	95.1	90.1	90.8	91.4	90.9
GDP per capita (constant prices in PPPs) (1)	79.2	85.3	77.6	75.7	80.6	94.6	98.7	99.0	94.3	90.1	91.2	91.3	91.3
Population aged 15-64/total population (2)	99.2	98.7	97.5	96.8	99.1	101.8	102.6	102.5	101.9	101.4	101.6	101.9	101.8
Employment rate (3)	92.1	90.9	82.0	76.0	81.4	76.8	87.1	97.0	89.6	86.1	87.1	88.2	89.5
Labour productivity (1).	83.1	91.9	95.5	100.6	96.4	114.5	105.7	97.9	100.6	101.8	101.8	100.9	100.2
II. Total factor productivity and stocks of capital (c)													
Total factor productivity (2015=100) (3) . . . . .	...	...	...	...	...	110.9	106.1	101.9	101.1	100.0	101.0	101.1	101.4
Total capital stock/employment (1).	56.0	60.1	70.1	75.3	72.4	98.1	92.5	91.1	102.8	109.6	108.2	106.8	105.9
Stock of productive capital/employment (3) . . . . .	...	...	...	...	72.1	81.6	78.7	76.4	85.0	89.8	88.5	87.0	86.1
Stock of private productive capital/employment (3) . . . . .	...	...	...	...	85.9	91.4	86.1	82.1	88.8	93.4	92.1	90.5	89.6
Stock of public capital/population (3). . . . .	...	...	...	...	44.4	55.8	61.8	66.6	72.9	73.8	73.5	73.1	72.7
Stock of residential capital/population (3) . . . . .	...	...	...	...	45.9	48.5	49.8	52.0	53.9	56.1	56.5	56.9	57.3
Stock of technological capital/GDP (3) . . . . .	...	...	...	...	...	...	25.8	32.8	43.7	44.5	43.4	42.8	42.2
Stock of human capital (4) (e) . . . . .	...	...	...	...	...	...	90.6	93.4	93.1	93.8	94.1	94.1	94.5
Stock of human capital with quality correction (4) (f) . . . . .	...	...	...	...	...	...	89.7	91.5	91.2	92.9	92.2	92.2	92.6
III. Supplementary indicators													
R&D expenditure/GDP (5) . . . . .	...	...	...	...	...	...	49.8	63.1	70.7	60.1	58.5	58.3	58.7
Public R&D expenditure/GDP (5) . . . . .	...	...	...	...	...	...	77.9	95.2	105.0	94.1	90.7	89.0	87.5
Private R&D expenditure/GDP (5) . . . . .	...	...	...	...	...	...	49.9	63.8	67.1	57.6	55.6	55.5	57.0
Patent applications in the EPO/population (5) . . . . .	...	...	4.6	8.4	13.3	17.1	21.1	30.0	31.8	34.7	35.8	37.0	...
Venture-capital investments/GDP (5) . . . . .	...	...	...	...	...	...	...	...	37.2	43.1	...	...	...
Gross fixed capital formation/GDP (1)	86.4	92.2	82.3	84.2	102.2	98.8	108.0	120.0	101.1	91.7	89.7	91.5	93.6
Private productive GFCF/GDP (3)	43.7	49.3	-147.1	66.0	103.4	104.3	108.7	117.6	95.9	98.4	95.8	96.4	98.1
Public GFCF/GDP (3) . . . . .	...	...	...	...	164.5	137.0	124.6	140.5	136.9	91.7	73.2	73.5	77.4
Residential GFCF/GDP (3) . . . . .	...	...	20.4	69.9	76.2	73.7	100.9	116.1	92.4	84.3	87.5	91.5	94.3
GFCF in non-residential construction/GDP (3) . . . . .	...	...	-105.8	95.2	126.2	127.2	115.0	134.9	121.9	93.4	86.3	84.2	86.2
Public expend.on education per 100 inh.aged 16-64 (2) . . . . .	...	...	...	...	...	49.0	50.7	70.1	77.8	66.6	68.6	70.0	70.6
Life-long learning (5) (g) . . . . .	...	...	...	...	...	...	...	136.7	120.4	92.5	87.0	90.8	94.6
Higher studies (5) (h) . . . . .	...	...	...	...	...	98.7	110.3	127.9	120.0	117.0	116.4	115.9	115.6
Total social expenditure per 100 inhabitant (2) . . . . .	...	...	...	...	...	67.5	69.5	74.4	82.8	78.4	77.1	77.1	...
Health expenditure per 100 inhabitant (5) . . . . .	...	...	...	...	...	70.3	76.2	83.5	83.6	73.4	70.6	71.0	...
Social benefits expend. per 100 inhabitant (5) . . . . .	...	...	...	...	...	67.4	68.0	71.8	84.0	82.4	81.3	81.1	...
Public expend. on housing per 100 inhabitant (5) . . . . .	...	...	...	...	...	34.0	36.4	39.3	31.8	15.0	18.2	18.4	...
Unemployment rate (6)	113.5	119.0	205.0	190.6	207.2	202.9	133.7	102.2	207.3	235.1	227.9	226.3	225.0
Dependency rate (6) (i)	79.2	79.7	80.1	90.6	93.9	96.0	99.1	97.0	94.9	96.6	96.2	95.8	...

Sources: Eurostat, Ameco (Annual Macro Economic Data Base from the European Commission), OECD and the Banco de España.

(a) All the monetary variables are measured in constant prices and in thousands of PPPs (purchasing power parities) of the year taken as a base (2016), except stocks of capital, which are expressed in constant euro, and current per capita GDP. The depicted variables of spending on R+D and investment in venture capital securities are also obtained from the series expressed in current terms. Data on population and the LFS data include information from the last census of population and dwellings 2012.

Data on National Accounts correspond to ESA2010

(b) The GDP per capita and components series are prepared drawing on information provided by Eurostat as from 1995, chained backwards with the growth rates of the series provided by the European Commission in its spring forecasting exercise.

(c) The series for total factor productivity, stock of capital and gross fixed capital formation are obtained from the European Commission's spring economic forecasts.

(d) Calculated drawing on cumulative spending in R+D according to the perpetual inventory methodology.

(e) Weighted average of the labour force with tertiary, secondary and primary education relative to the labour force if everybody had tertiary education.

(f) Stock of human capital adjusted by the results of the PISA report.

(g) Percentage of 25-64-year-olds who have received some type of training in the four weeks prior to the Labor Force Survey.

(h) Percentage of 25-64-year-olds who have completed higher education studies.

(i) Over-65s as a proportion of the working-age population.

(1) Up to 1995, EU15. From 1995 (included) on, EU28.

(2) Up to 2001, EU15. From 2001 (included) on, EU28.

(3) EU15.

(4) Up to 2002, EU15. From 2002 (included) on, EU28.

(5) EU28.

(6) Up to 2000, EU15. From 2000 (included) on, EU28.

1.4 STRUCTURAL INDICATORS OF THE SPANISH ECONOMY AND OF THE EU (a)
b) ANNUAL AVERAGE RATES OF CHANGE

6-Mayo-2020 14:00:45

	1975-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014	2015-2016	2016-2017	2017-2018
1. SPAIN											
I. GDP per capita and components (b)											
GDP per capita (current prices in PPPs)	7.4	6.4	6.7	2.6	4.9	3.2	0.8	0.4	1.4	3.3	2.3
GDP per capita (constant prices in PPPs)	0.7	0.5	3.5	0.6	2.7	1.4	-0.3	-0.7	2.9	2.7	1.9
Population aged 15-64/total population	0.1	0.3	0.3	0.3	0.1	0.1	-0.1	-0.3	-0.2	-0.1	-0.3
Employment rate	-0.8	-1.1	1.0	-0.9	1.4	1.1	-0.7	-0.6	1.7	1.6	1.6
Labour productivity	2.6	2.1	0.9	1.7	0.2	0.0	0.8	0.8	0.9	0.2	0.1
II. Total factor productivity and stocks of capital (c)											
Total factor productivity (2015=100)	1.3	1.1	0.9	0.3	0.3	-0.0	-0.3	0.0	1.8	1.3	0.9
Total capital stock/employment	4.4	3.1	-0.0	3.5	-0.0	1.0	3.1	2.2	-1.4	-1.7	-1.0
Stock of productive capital/employment	3.9	2.9	-0.1	3.5	-0.3	0.2	2.5	1.8	-1.9	-2.3	-1.7
Stock of private productive capital/employment	4.3	2.6	-0.6	2.7	-0.2	0.1	2.1	1.7	-1.7	-2.0	-1.4
Stock of public capital/population	1.0	1.8	3.7	4.0	2.1	1.7	2.2	0.5	-0.4	-0.4	-0.4
Stock of residential capital/population	0.0	0.1	0.5	0.4	0.7	0.9	0.8	0.7	0.8	0.9	0.8
Stock of technological capital/GDP . . . . .	...	...	1.4	5.3	-0.2	3.5	6.8	2.7	-1.7	-1.1	-0.1
Stock of human capital (e) . . . . .	...	...	...	...	1.4	0.9	0.4	0.8	0.8	0.6	1.0
Stock of human capital with quality correction (f) . . . . .	...	...	...	...	1.6	0.7	0.2	1.0	0.8	0.6	1.0
III. Supplementary indicators											
R&D expenditure/GDP . . . . .	...	...	6.5	-0.2	1.7	3.4	4.4	-1.8	-2.6	1.7	2.7
Public R&D expenditure/GDP . . . . .	...	...	5.7	4.5	0.2	3.4	5.2	-2.4	-5.2	-1.0	-0.9
Private R&D expenditure/GDP . . . . .	...	...	6.9	-4.3	3.2	3.6	3.7	-1.2	-0.4	4.0	5.6
Patent applications in the EPO/population . . . . .	...	13.6	14.3	8.7	13.4	7.5	1.1	0.1	0.7	0.6	...
Venture-capital investments/GDP . . . . .	...	...	...	...	...	...	...	-3.8	...	...	...
Gross fixed capital formation/GDP	-3.2	-2.3	5.6	-2.9	2.5	1.3	-3.4	-2.3	-0.6	2.9	2.9
Private productive GFCF/GDP	-1.9	-5.0	7.7	-3.3	3.9	-0.2	-5.7	1.5	0.7	1.0	1.5
Public GFCF/GDP	-6.0	9.8	6.9	-3.0	-2.5	2.7	5.1	-14.2	-21.9	0.8	6.3
Residential GFCF/GDP	-4.5	-2.1	1.4	-2.3	3.4	2.7	-4.9	-1.4	6.7	6.9	4.0
GFCF in non-residential construction/GDP	-2.2	-2.0	7.4	-1.8	-0.6	2.0	-1.6	-7.1	-8.5	-4.3	2.1
Public expend.on education per 100 inh.aged 16-64 . . . . .	...	...	...	...	3.8	5.2	4.8	-1.7	2.5	2.9	3.1
Life-long learning (g) . . . . .	...	...	...	...	...	...	-	-2.0	-5.1	5.3	6.1
Higher studies (h) . . . . .	...	...	...	...	5.2	3.5	1.0	2.3	1.7	1.8	2.5
Total social expenditure per 100 inhabitant . . . . .	...	...	...	...	1.1	2.4	3.5	0.2	-0.6	1.4	...
Health expenditure per 100 inhabitant . . . . .	...	...	...	...	2.1	3.4	2.2	-1.9	-3.1	1.5	...
Social benefits expend. per 100 inhabitant . . . . .	...	...	...	...	0.7	2.0	4.2	1.0	0.3	1.4	...
Public expend. on housing per 100 inhabitant . . . . .	...	...	...	...	2.8	2.0	-0.6	-13.3	3.1	3.2	...
Unemployment rate	0.9	1.0	-0.3	1.3	-1.4	-0.2	1.7	0.9	-2.5	-2.4	-1.9
Dependency rate (i)	0.2	0.2	0.3	0.3	0.3	-0.0	0.1	0.5	0.4	0.4	...

Sources: Eurostat, Ameco (Annual Macro Economic Data Base from the European Commission), OECD and the Banco de España.

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(b) The GDP per capita and components series are prepared drawing on information provided by Eurostat as from 1995, chained backwards with the growth rates of the series provided by the European Commission in its spring forecasting exercise.

(c) The series for total factor productivity, stock of capital and gross fixed capital formation are obtained from the European Commission's spring economic forecasts.

(d) Calculated drawing on cumulative spending in R+D according to the perpetual inventory methodology.

(e) Weighted average of the labour force with tertiary, secondary and primary education relative to the labour force if everybody had tertiary education.

(f) Stock of human capital adjusted by the results of the PISA report.

(g) Percentage of 25-64-year-olds who have received some type of training in the four weeks prior to the Labor Force Survey.

(h) Percentage of 25-64-year-olds who have completed higher education studies.

(i) Over-65s as a proportion of the working-age population.

1.4 STRUCTURAL INDICATORS OF THE SPANISH ECONOMY AND OF THE EU (a)
b) ANNUAL AVERAGE RATES OF CHANGE

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	1975-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014	2015-2016	2016-2017	2017-2018
2. DIFFERENCE BETWEEN SPANISH AND EU RO AREA RATES											
I. GDP per capita and components (b)											
GDP per capita (current prices in PPPs) (1)	-2.0	-0.3	1.2	0.3	1.0	1.1	0.1	-1.0	0.6	0.9	-0.5
GDP per capita (constant prices in PPPs) (1)	-1.9	-0.3	1.1	0.3	0.8	0.5	-0.3	-0.9	1.3	0.4	0.2
Population aged 15-64/total population (2)	-0.1	-0.2	0.2	0.3	0.1	0.1	-0.0	-0.1	0.1	0.1	-0.1
Employment rate (3)	-0.7	-0.4	0.6	-0.8	0.8	0.8	-1.0	-0.6	0.5	0.5	0.7
Labour productivity (1).	-0.0	0.9	-0.7	0.9	-0.8	-0.6	0.9	0.4	0.3	-0.7	-0.3
II. Total factor productivity and stocks of capital (c)											
Total factor productivity (2015=100) (4) . . . . .	...	...	...	...	-0.6	-0.4	0.1	-0.3	0.9	-0.1	0.2
Total capital stock/employment (1).	2.1	1.0	-0.8	2.0	-0.6	0.1	2.1	1.6	-0.9	-1.1	-0.5
Stock of productive capital/employment (5) . . . . .	...	...	...	2.6	-0.6	-3.8	1.8	1.3	-1.5	-1.6	-1.0
Stock of private productive capital/employment (5) . . . . .	...	...	...	1.7	-0.8	0.0	1.2	1.3	-1.3	-1.5	-0.9
Stock of public capital/population (5). . . . .	...	...	...	3.9	1.1	2.3	1.6	0.4	-0.1	-0.3	-0.4
Stock of residential capital/population (5) . . . . .	...	...	...	1.2	0.2	1.6	0.4	0.5	0.6	0.6	0.4
Stock of technological capital/GDP (4) . . . . .	...	...	...	...	...	4.1	4.9	0.7	-2.5	-1.7	-1.5
Stock of human capital (4) (e) . . . . .	...	...	...	...	...	0.4	-0.1	0.2	0.2	0.0	0.4
Stock of human capital with quality correction (4) (f) . . . . .	...	...	...	...	...	0.2	-0.3	0.4	0.2	0.0	0.4
III. Supplementary indicators											
R&D expenditure/GDP (4) . . . . .	...	...	...	...	...	3.3	2.2	-3.1	-2.4	-0.3	0.7
Public R&D expenditure/GDP (4) . . . . .	...	...	...	...	...	2.9	2.5	-2.6	-3.1	-0.7	-1.3
Private R&D expenditure/GDP (4) . . . . .	...	...	...	...	...	3.9	1.8	-3.2	-1.3	0.7	2.8
Patent applications in the EPO/population (4) . . . . .	...	5.8	8.2	7.3	3.9	6.1	1.7	0.7	3.5	3.7	...
Venture-capital investments/GDP (4) . . . . .	...	...	...	...	...	...	...	-0.4	...	...	...
Gross fixed capital formation/GDP (1)	-1.8	0.2	3.8	-2.3	1.4	1.8	-2.5	-1.4	-2.7	2.0	2.4
Private productive GFCF/GDP (5) . . . . .	...	...	...	-1.3	1.7	1.2	-4.1	1.2	-2.1	0.3	1.2
Public GFCF/GDP (5) . . . . .	...	...	...	-2.6	-2.3	1.3	2.0	-9.8	-18.0	0.5	4.9
Residential GFCF/GDP (5) . . . . .	...	...	1.1	-3.2	3.1	3.0	-3.2	-0.2	3.5	5.5	3.7
GFCF in non-residential construction/GDP (5) . . . . .	...	...	5.2	-0.4	0.4	2.0	-1.4	-4.8	-6.4	-3.9	2.3
Public expend.on education per 100 inh.aged 16-64 (6) . . . . .	...	...	...	...	2.2	2.6	2.2	-2.5	0.7	0.7	1.0
Life-long learning (4) (g) . . . . .	...	...	...	...	...	...	-0.5	-8.2	-7.8	4.4	4.3
Higher studies (4) (h) . . . . .	...	...	...	...	...	1.1	-1.0	0.1	-0.2	-0.6	-0.5
Total social expenditure per 100 inhabitant (6) . . . . .	...	...	...	...	-0.2	1.2	1.7	-0.4	-2.0	0.6	...
Health expenditure per 100 inhabitant (4) . . . . .	...	...	...	...	1.3	2.0	0.0	-2.2	-5.1	-0.4	...
Social benefits expend. per 100 inhabitant (4) . . . . .	...	...	...	...	-	-	-	-	-	-	...
Public expend. on housing per 100 inhabitant (4) . . . . .	...	...	...	...	1.1	1.3	-4.2	-14.0	18.0	1.0	...
Unemployment rate (7).	0.6	0.4	-0.1	0.7	-1.2	-0.3	1.6	0.6	-1.6	-1.5	-1.0
Dependency rate (8) (i)	0.0	0.5	0.1	0.1	0.1	-0.3	-0.2	0.1	-0.1	-0.1	...

Sources: Eurostat, Ameco (Annual Macro Economic Data Base from the European Commission), OECD and the Banco de España.

(a) All the monetary variables are measured in constant prices and in thousands of PPPs (purchasing power parities) of the year taken as a base (2016), except stocks of capital, which are expressed in constant euro, and current per capita GDP. The depicted variables of spending on R+D and investment in venture capital securities are also obtained from the series expressed in current terms. Data on population and the LFS data include information from the last census of population and dwellings 2012. Data on National Accounts correspond to ESA2010

(b) The GDP per capita and components series are prepared drawing on information provided by Eurostat as from 1995, chained backwards with the growth rates of the series provided by the European Commission in its spring forecasting exercise.

(c) The series for total factor productivity, stock of capital and gross fixed capital formation are obtained from the European Commission's spring economic forecasts.

(d) Calculated drawing on cumulative spending in R+D according to the perpetual inventory methodology.

(e) Weighted average of the labour force with tertiary, secondary and primary education relative to the labour force if everybody had tertiary education.

(f) Stock of human capital adjusted by the results of the PISA report.

(g) Percentage of 25-64-year-olds who have received some type of training in the four weeks prior to the Labor Force Survey.

(h) Percentage of 25-64-year-olds who have completed higher education studies.

(i) Over-65s as a proportion of the working-age population.

(1) Up to 1995, EMU12. From 1995 (included) on, EMU19.

(2) Up to 1993, EMU12. From 1993 (included) on, EMU19.

(3) EMU12.

(4) EMU19.

(5) Up to 2000, EMU12. From 2000 (included) on, EMU19.

(6) Up to 1999, EMU12. From 1999 (included) on, EMU19.

(7) Up to 1990, EMU12. From 1990 (included) to 1997, EMU17. From 1997 (included) on, EMU19.

(8) Up to 1992, EMU12. From 1992 (included) on, EMU19.

1.4 STRUCTURAL INDICATORS OF THE SPANISH ECONOMY AND OF THE EU (a)
b) ANNUAL AVERAGE RATES OF CHANGE

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	1975-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014	2015-2016	2016-2017	2017-2018
3. DIFFERENCE BETWEEN SPANISH AND EU RATES (b)											
I. GDP per capita and components (b)											
GDP per capita (current prices in PPPs) (1)	-2.0	-0.4	1.1	0.2	0.9	0.6	-0.1	-1.3	0.8	0.7	-0.7
GDP per capita (constant prices in PPPs) (1)	-1.8	-0.4	1.0	0.2	0.7	0.1	-0.6	-1.2	1.2	0.2	-0.0
Population aged 15-64/total population (2)	-0.1	-0.1	0.2	0.3	0.1	-0.0	-0.0	-0.1	0.1	0.2	-0.1
Employment rate (3)	-0.7	-0.4	0.5	-0.6	0.8	0.9	-0.9	-0.8	0.6	0.6	0.8
Labour productivity (1).	0.1	0.8	-0.6	0.6	-1.2	-1.2	0.7	0.3	0.0	-0.9	-0.6
II. Total factor productivity and stocks of capital (c)											
Total factor productivity (2015=100) (3) . . . . .	...	...	...	...	-0.7	-0.6	0.2	-0.4	1.0	0.2	0.3
Total capital stock/employment (1).	2.4	1.1	-0.7	1.8	-0.9	-0.2	2.1	1.7	-1.2	-1.3	-0.9
Stock of productive capital/employment (3) . . . . .	...	...	...	2.5	-0.5	-0.4	1.7	1.5	-1.4	-1.7	-1.1
Stock of private productive capital/employment (3) . . . . .	...	...	...	1.4	-0.9	-0.7	1.3	1.5	-1.4	-1.6	-1.0
Stock of public capital/population (3). . . . .	...	...	...	4.1	1.6	1.2	1.4	0.2	-0.4	-0.5	-0.6
Stock of residential capital/population (3) . . . . .	...	...	...	1.1	0.3	0.7	0.6	0.7	0.8	0.7	0.6
Stock of technological capital/GDP (3) . . . . .	...	...	...	...	...	3.8	4.9	1.0	-2.4	-1.5	-1.3
Stock of human capital (4) (e). . . . .	...	...	...	...	...	0.2	-0.1	0.2	0.3	0.0	0.4
Stock of human capital with quality correction (4) (f) . . . . .	...	...	...	...	...	0.0	-0.1	0.4	-0.7	0.0	0.4
III. Supplementary indicators											
R&D expenditure/GDP (5) . . . . .	...	...	...	...	...	3.6	2.4	-2.8	-2.7	-0.3	0.8
Public R&D expenditure/GDP (5). . . . .	...	...	...	...	...	2.7	1.8	-2.3	-3.5	-1.9	-1.7
Private R&D expenditure/GDP (5) . . . . .	...	...	...	...	...	3.8	1.2	-2.6	-3.6	-0.3	2.8
Patent applications in the EPO/population (5) . . . . .	...	5.8	8.5	6.9	3.9	5.9	1.5	0.3	3.1	3.3	...
Venture-capital investments/GDP (5) . . . . .	...	...	...	...	...	...	...	-0.5	...	...	...
Gross fixed capital formation/GDP (1)	-2.2	-0.4	3.6	-1.5	1.5	1.8	-2.7	-1.7	-2.2	2.0	2.4
Private productive GFCF/GDP (3) . . . . .	...	...	...	-0.5	2.1	1.5	1.7	-1.6	-2.7	0.6	1.7
Public GFCF/GDP (3) . . . . .	...	...	...	-3.4	-1.1	0.3	0.1	-10.4	-19.7	0.5	5.4
Residential GFCF/GDP (3) . . . . .	...	...	1.0	-1.9	3.0	2.7	-2.6	-0.4	3.8	4.7	3.1
GFCF in non-residential construction/GDP (3) . . . . .	...	...	5.1	-0.8	0.2	2.4	-1.7	-5.5	-7.5	-2.4	2.3
Public expend.on education per 100 inh.aged 16-64 (2) . . . . .	...	...	...	...	0.6	6.5	3.1	-2.9	3.0	2.0	0.9
Life-long learning (5) (g) . . . . .	...	...	...	...	...	...	-3.3	-5.1	-6.0	4.4	4.2
Higher studies (5) (h) . . . . .	...	...	...	...	1.7	2.5	-1.3	-0.2	-0.5	-0.5	-0.2
Total social expenditure per 100 inhabitant (2) . . . . .	...	...	...	...	-0.1	0.8	2.1	-0.7	-1.7	0.0	...
Health expenditure per 100 inhabitant (5) . . . . .	...	...	...	...	1.2	1.2	0.4	-2.9	-4.0	0.6	...
Social benefits expend. per 100 inhabitant (5) . . . . .	...	...	...	...	-0.6	0.6	2.9	0.3	-1.3	-0.2	...
Public expend. on housing per 100 inhabitant (5) . . . . .	...	...	...	...	1.1	1.3	-4.2	-14.0	18.0	1.0	...
Unemployment rate (6).	0.6	0.3	0.0	0.7	-1.1	-0.3	1.7	0.8	-1.7	-1.4	-1.1
Dependency rate (6) (i)	0.0	0.5	0.1	0.1	0.1	-0.0	-0.2	0.1	-0.1	-0.1	...

Sources: Eurostat, Ameco (Annual Macro Economic Data Base from the European Commission), OECD and the Banco de España.

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(i) Over-65s as a proportion of the working-age population.

(1) Up to 1995, EU15. From 1995 (included) on, EU28.

(2) Up to 2001, EU15. From 2001 (included) on, EU28.

(3) EU15.

(4) Up to 2002, EU15. From 2002 (included) on, EU28.

(5) EU28.

(6) Up to 2000, EU15. From 2000 (included) on, EU28.