Maps with Eurostat Data

Spatial visualisation with R

Jan-Philipp Kolb

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The Data Source

`http://ec.europa.eu/eurostat/web/euro-indicators/peeis`

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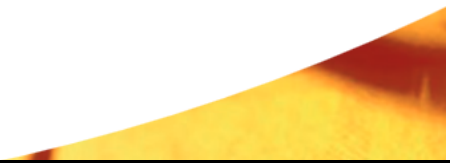
eurostat
Statistical books

Eurostatistics
Data for short-term economic analysis

Issue number 09/2015

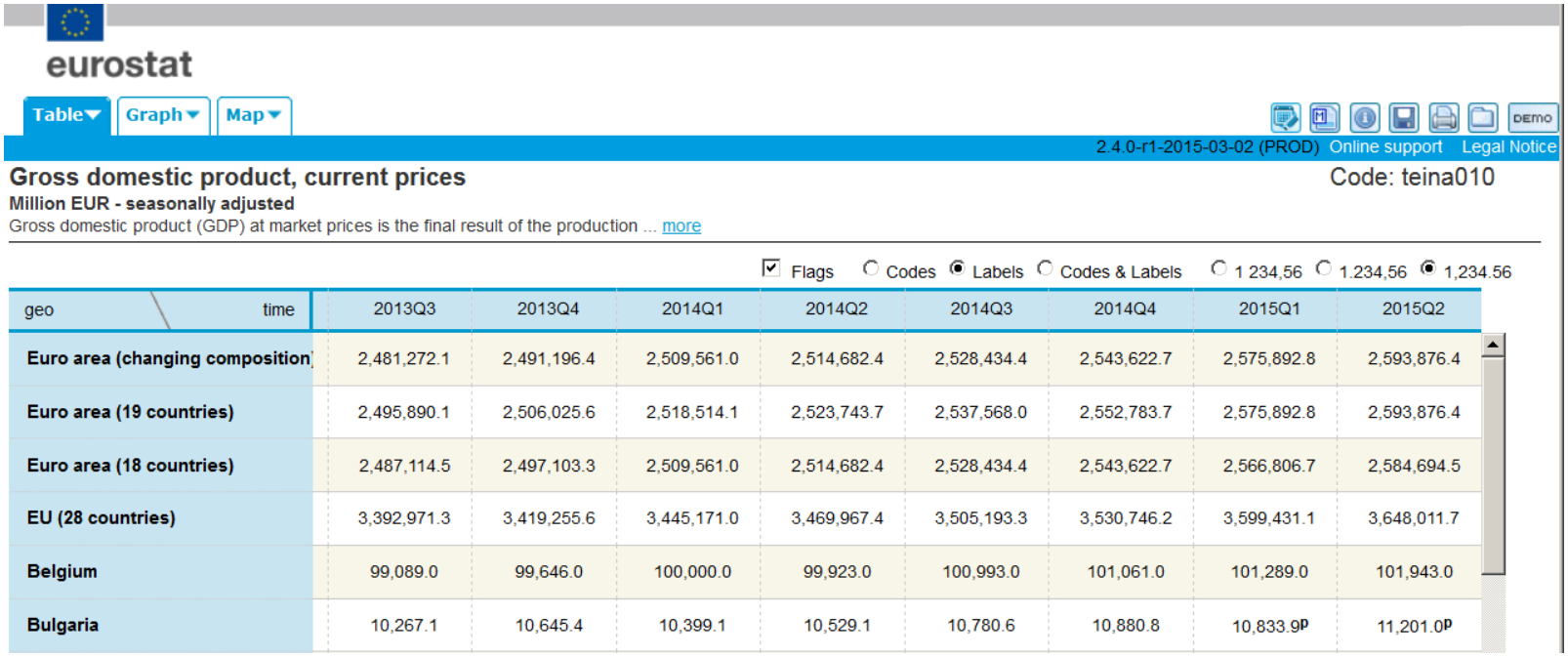


The Data Source

European Union (*) Download data for country

SHOW ALL	RELEASE DATE LATEST	RELEASE DATE NEXT	UNIT	REFERENCE PERIOD						
				2015m4	2015m5	2015m6	2015m7	2015m8	2015m9	
Inflation HICP - all items	30/09/2015	16/10/2015	% (M/M-1)	0.3	0.2	0.0	-0.5	0.0	(:)	
			% (M/M-12)	0.0	0.3	0.1	0.2	0.0	(:)	
Additional data (Show)										
				2014q1	2014q2	2014q3	2014q4	2015q1	2015q2	
GDP - current prices	08/09/2015	08/12/2015	mio euro	3445171.0	3469967.4	3505193.3	3530746.2	3599431.1	3648011.7	
Additional data (Show)										
GDP - volume	08/09/2015	13/11/2015	% (Q/Q-1)	0.3	0.3	0.4	0.5	0.5	0.4	
			% (Q/Q-4)	1.5	1.2	1.4	1.4	1.8	1.9	
Additional data (Show)										

The Data Source



eurostat

Table Graph Map

2.4.0-r1-2015-03-02 (PROD) Online support Legal Notice

Gross domestic product, current prices

Code: teina010

Million EUR - seasonally adjusted

Gross domestic product (GDP) at market prices is the final result of the production ... more

Flags Codes Labels Codes & Labels 1 234,56 1.234,56 1,234.56

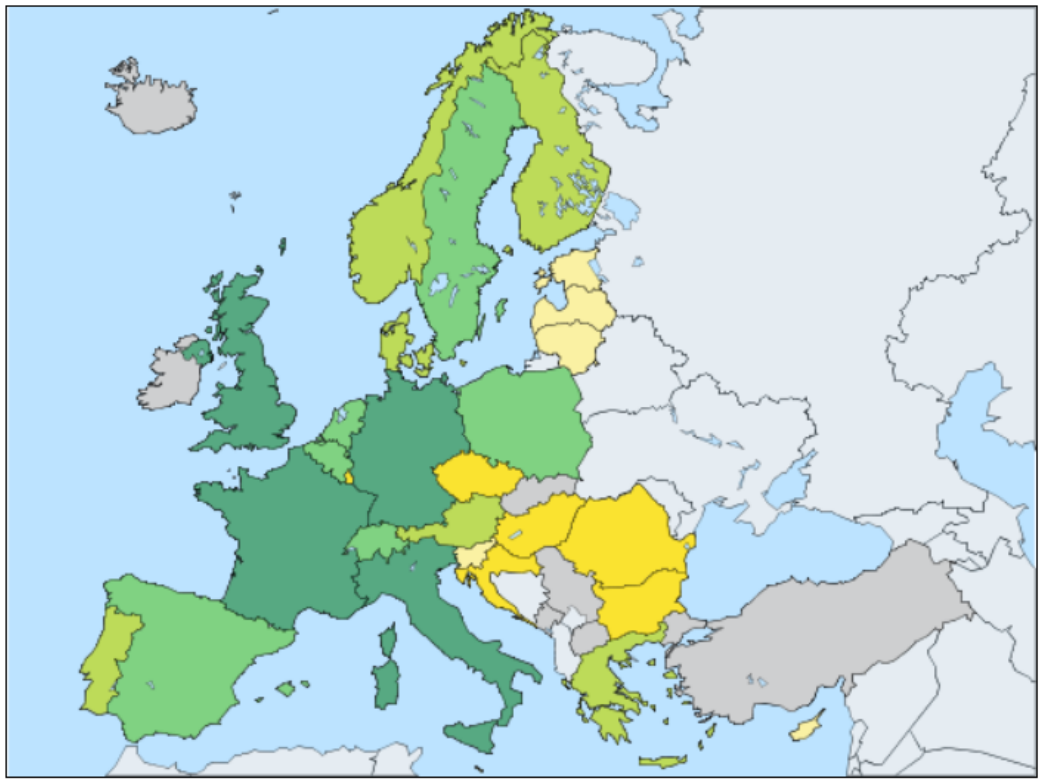
geo \ time	2013Q3	2013Q4	2014Q1	2014Q2	2014Q3	2014Q4	2015Q1	2015Q2
Euro area (changing composition)	2,481,272.1	2,491,196.4	2,509,561.0	2,514,682.4	2,528,434.4	2,543,622.7	2,575,892.8	2,593,876.4
Euro area (19 countries)	2,495,890.1	2,506,025.6	2,518,514.1	2,523,743.7	2,537,568.0	2,552,783.7	2,575,892.8	2,593,876.4
Euro area (18 countries)	2,487,114.5	2,497,103.3	2,509,561.0	2,514,682.4	2,528,434.4	2,543,622.7	2,566,806.7	2,584,694.5
EU (28 countries)	3,392,971.3	3,419,255.6	3,445,171.0	3,469,967.4	3,505,193.3	3,530,746.2	3,599,431.1	3,648,011.7
Belgium	99,089.0	99,646.0	100,000.0	99,923.0	100,993.0	101,061.0	101,289.0	101,943.0
Bulgaria	10,267.1	10,645.4	10,399.1	10,529.1	10,780.6	10,880.8	10,833.9p	11,201.0p

Map from Eurostat

Gross domestic product, current prices

Million EUR - seasonally adjusted

Gross domestic product (GDP) at market prices is the final result of the production ... more



Data for 2015Q2

Legend	Cases
2,101.9 to 9,547.1	6
9,547.1 to 40,870.6	6
40,870.6 to 92,147.7	6
92,147.7 to 274,030	6
274,030 to 754,090	4
Data not available	0

Minimum value: 2,101.9
Maximum value: 754,090

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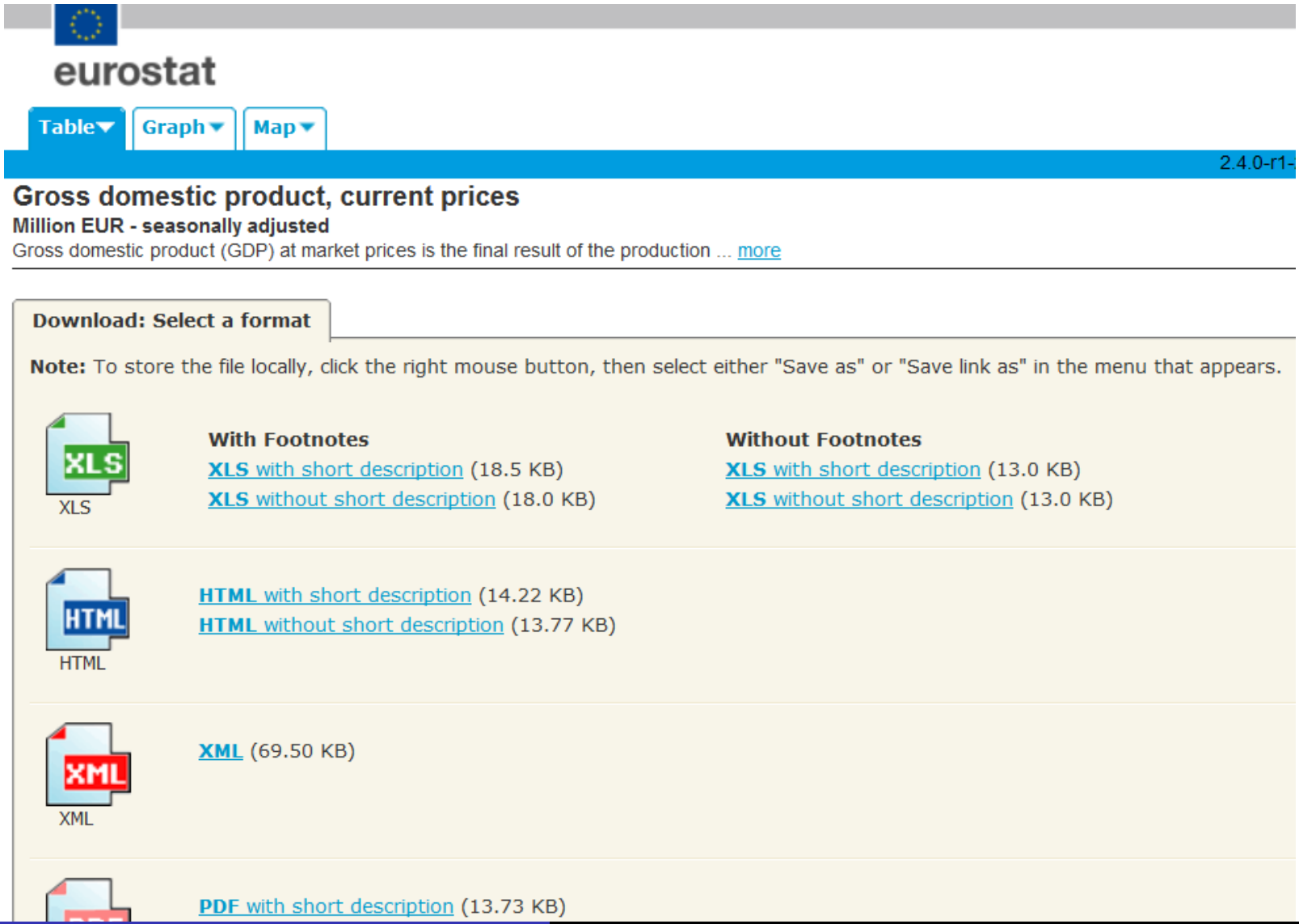
Data Source - Download Formats



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Import data to R


```
setwd(data.path)
GDP <- read.xlsx("eurostatGDP.xls",1)
```

The GDP data

	Gross.domestic.product..current.prices	NA.	NA..1
1	Million EUR - seasonally adjusted		
2	geo\time	2012Q3	
3	Euro area (changing composition)	2451687.1	
4	Euro area (19 countries)	2465680.9	
5	Euro area (18 countries)	2457303.9	

Get the map


```
library(maptools)
data(wrld_simpl)
EUR <- wrld_simpl[wrld_simpl$REGION==150,]
EUR <- EUR[-which(EUR@data$NAME=="Russia"),]
```

Plot the map


```
plot(EUR)
```

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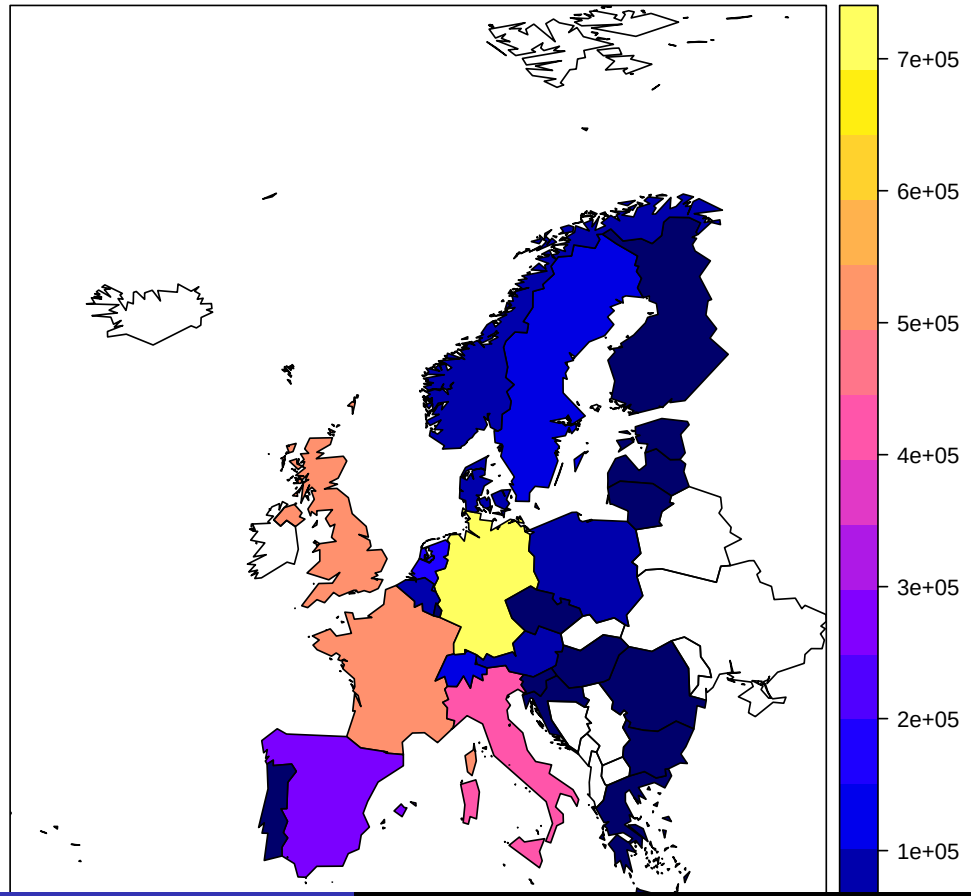
Match data and map


```
ind <- match(EUR$NAME,GDP[,1])
EUR@data$GDP <- as.numeric(as.character(GDP[ind,2]))
```

Plot GDP map


```
library(sp)
spplot(EUR,"GDP")
```