Spatial Visualisations
Organisation and Background Information

Jan-Philipp Kolb

Monday, October 13, 2014

Outline

Background information

Assignment of this week

Next assignment

R-package maps

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R - modular design

- ▶ This is a big advantage because everybody can create his/her own package - and many have done so
- ▶ Result: growing number of packages
- ▶ Some of them deal with very specific problems.

But modular design can also be a disadvantage

- ▶ because the structure of the package might vary a lot.
- ▶ People have different ideas on how to organize things.
- ▶ We will see this today, when we compare packages maps and maptools.

Problems with the installation of packages

- ▶ Info on stackoverflow
- ▶ Installing R-packages without Admin rights
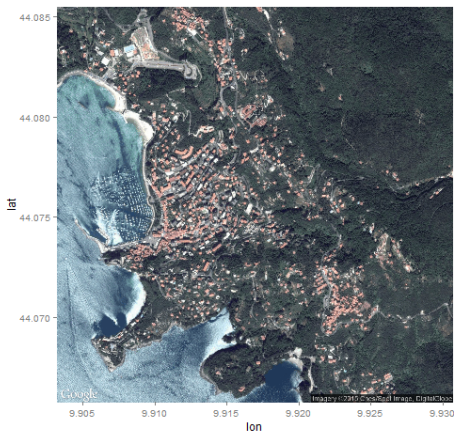- ▶ Overview Package Installation Problems

Explain your map in a few words

- ▶ What can be seen?
- ▶ What are interesting points?
- ▶ Did you experienced any problems with the usage of R?
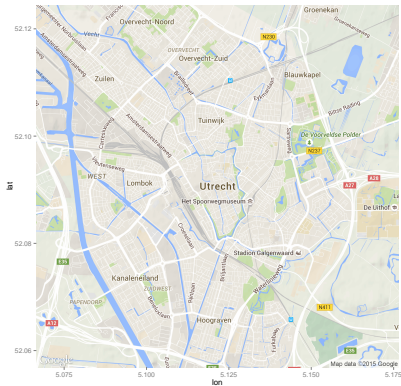
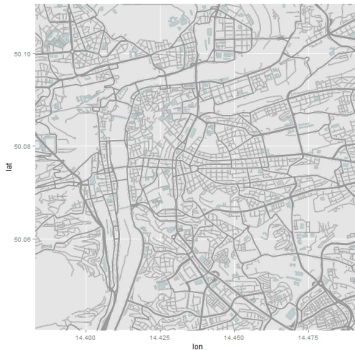# Assignment - Example 1
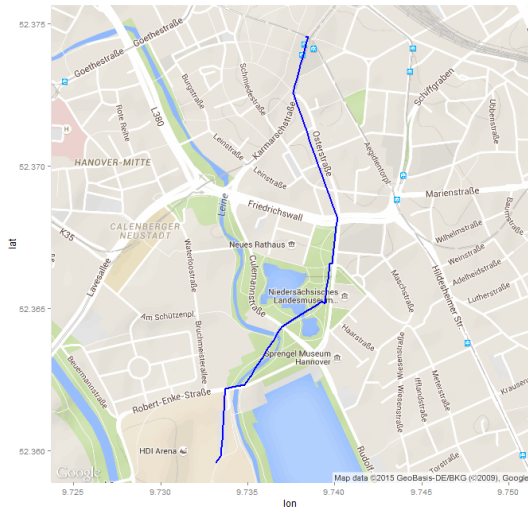
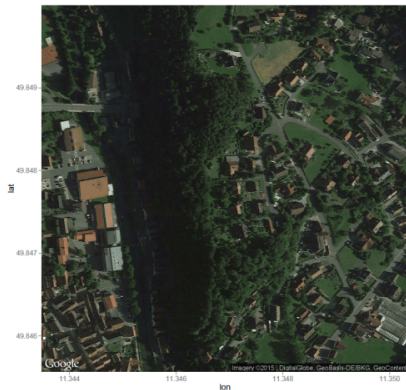# Assignment - Example 2

Assignment - Example 3

Assignment - Example 4
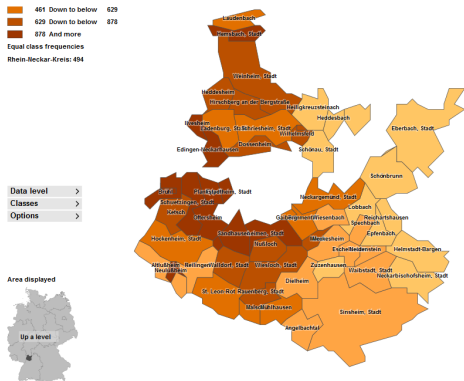
Assignment - Example 5

Assignment - Example 6

Assignment for next course (7 October 2015)

- ▶ I will be on a business trip next week - no session next week
- ▶ Please send me two topics for spatial visualisation
- ▶ and explain in few words, why it could be interesting
- ▶ Send the assignment to jakolb@mail.uni-mannheim.de

Census results - Germany

`https://ergebnisse.zensus2011.de/`

Census results - Germany

Welcome to the census database of the Census 2011

How do you want to get the results?

Easy way to results	Dynamic and individual results	Results cartographically and visually
Retrieval of Population figures, summarized results by regions and predefined tables and diagrams by topic	Create your own flexible tables, flexible diagrams and comparison of Municipalities and regions	Presentation of various indicators at Land, district and municipal level with the possibility of adjusting the class number and class limits.

Important information

`https://ergebnisse.zensus2011.de/`

American Community Survey

Data for the American Community Survey:

http://www.census.gov/acs/www/

Download Bulk Census Data for the US

CENSUS.IRE.ORG

http://census.ire.org/data/bulkdata.html

Eurostat maps

Nigths spent in hotel, campsites etc.

Nights spent in hotels, campsites and other collective accommodation establishments, by NUTS 2 regions, 2010 (¹)
(million nights)

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Data from Eurostat

http://epp.eurostat.ec.europa.eu/portal/page/portal/statistics/search_database

The Humanitarian Data Exchange

`data.hdx.rwlabs.org`

Ebola
`https://data.hdx.rwlabs.org/dataset/rowca-ebola-cases`

London Datastore

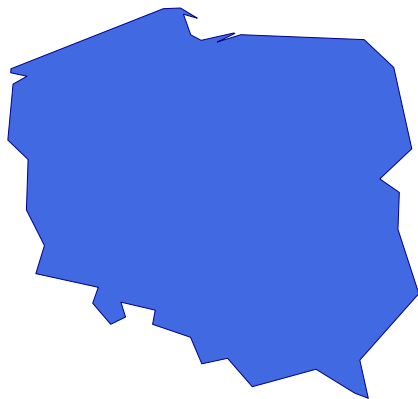
`http://data.london.gov.uk/dataset`

datahub

the free, powerful data management platform from the Open
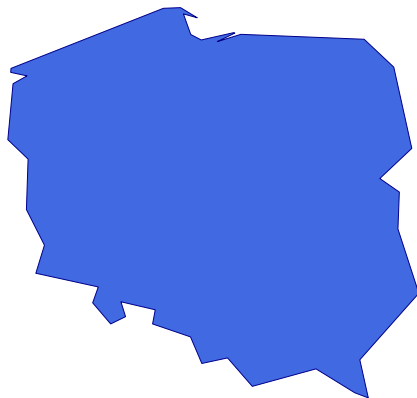Knowledge Foundation
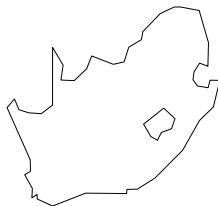
datahub.io

A small quiz!

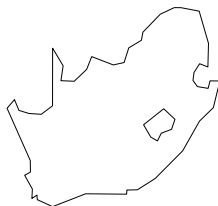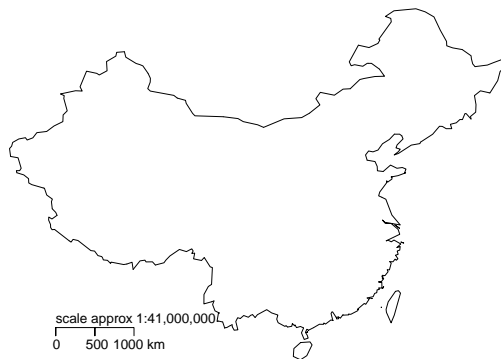# What do think - which country is it?

Poland

What do think - which country is it?

South Africa

What do think - which country is it?

scale approx 1:41,000,000
0   500 1000 km

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China

scale approx 1:41,000,000
0   500 1000 km