

Introduction to R, scraping and text analysis

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Instructor

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Class information

Classroom: To be determined

Class Hours: 16:00-20:00

Course description

This course offers a (brief) introduction to R, web scraping and text analysis. This course is also designed to introduce you to and help you become familiar with tools of quantitative data analysis for the social sciences.

Requirements

There are no requirements. The only requisite is that you should be willing to have fun and learn new tools.

Why R?

Because:

- R is free
- R is open source and has excellent package ecosystem
- R is very versatile
- R is *very* good for data visualisation
- R can accomodate more than one data frame in memory at the same time

On the other hand:

- R has a steep(er) learning curve

Structure of the course

1. R philosophy
2. Introduction to R
 - Importing and working with data
 - Data wrangling
 - Visualisation
 - Basic statistical operations
3. Data from the web
 - Web scraping
 - Social media data
4. Text analysis
 - Basic concepts
 - Dictionary methods
 - Topic models