Automated Data Collection Using R

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Outline of this course

- ► Section 1: Objects and Data Structures I
- ► Section 2: Data I/O
- ► Section 3: Objects and Data Structures II
- ► Section 4: Programming Basics
- ► Section 5: Data transformation in the `tidyverse`
- ► Section 6: Plotting data with `ggplot2`
- ► Section 7: Basic Statistics/Econometrics
- ► Section 8: Working with Strings and Texts

Installing R and RStudio

First install R at https://cran.r-project.org/

- ▶ Go to Mac/Windows
  - ▶ On Windows click base, then *Download R 4.0.2 for Windows*
  - ▶ On Mac download R-4.0.2.pkg

Then install Rstudio

- ▶ Go to https://rstudio.com/products/rstudio/download/
- ▶ Click Download under **RStudio Desktop (Free)**
- ▶ Click Download for Windows/Mac

A good installation tutorial can be found here:

https://www.datacamp.com/community/tutorials/installing-R-windows-mac-ubuntu

Another excellent resource for setting up R and Rstudio is:

https://www.dataquest.io/blog/tutorial-getting-started-with-r-and-rstudio/

Downloading course materials

Download the course material at:

https://github.com/maxmantei/intro-r-and-textmining

- ► Click on `Code`
- ► Click on `Download ZIP`
- ► Save and unzip the downloaded folder
- ► Open the folder and click `intro-r-and-textmining.Rproj`

This will open the RStudio project that contains all materials.