

# 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/>

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