

The EMaC R Manual

Alex Sciuto

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Chapter 1

How to Install R

This is the EMaC manual for how to wrangle, analyze, and visualize data in **R**. I will review a few key packages, in addition to explaining their key functions, with real data examples.

There are two things you need to do to install R on your computer. First, you would need to install the latest version of R which you would download and install from this link: [R-download](#). Once you run and install R onto your computer, you would need to install R-Studio. R studio is the graphic user interface (GUI) where you can place all of your R-code. Follow this link: [R-Studio Desktop Download](#). Once you have these two programs installed, all you need to do is launch R-studio Desktop and you are ready to go.

```
devtools::install_github('yihui/tinytex')
options(tinytex.verbose = TRUE)
tinytex::reinstall_tinytex()
tinytex::install_tinytex()
tinytex::install_prebuilt()
```


Chapter 2

Data Wrangling

This is a tutorial on how to manipulate, wrangle, and clean data so it is ready for analysis and visualization. The first thing I am going to do is import a data set on interest.

Chapter 3

Literature

Here is a review of existing methods.

Chapter 4

Methods

We describe our methods in this chapter.

Chapter 5

Applications

Some *significant* applications are demonstrated in this chapter.

5.1 Example one

5.2 Example two

Chapter 6

Final Words

We have finished a nice book.