

# 00. Installing RStudio on your machine

Pre-Workshop setup

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Introduction to Social Network Analysis in R

# Steps to Install Rstudio on your local machine.

For each of the software below, choose the Windows/Mac installer according to your Operating System

Make sure you install the software in the order mentioned below.

1. LaTeX word processor and document markup language. You may choose any one of the three mentioned below. I, personally use TeXWorks
  - Click this TeXWorks link for Mac and Windows or
  - Click this MacTeX link for Mac (2.5GB)
  - Click this MiKTeX link for Windows (176MB)
2. open source integrated development environment (IDE) for R:  
Click this RStudio desktop link
  - On Macs, when prompted to install command line developer tools, select "Install"
  - On Windows, you should get a similar prompt.
  - *Make sure you follow the instructions and install R first before you install Rstudio.*

## Resources for RMarkdown (Optional)

If you are curious and new to RMarkdwon, you can take a look at these resources to get familiar with RMarkdown.

- R Markdown with RStudio (video)
- Intro to Markdown (video)
- R Markdown Cheatsheet

**Watch this video and then complete the steps on the next slide**

Creating a file in R Markdown (video)

# Testing R Markdown

Once you have installed one LaTeX and R and Rstudio, watch this video on creating a file in R

1. Open RStudio locally on your machine and starting in the menu bar, go to *File -> New File -> R Markdown...*
2. If prompted to install any packages, say yes.
3. A document `Untitled1` should pop-up.
4. Give it an arbitrary title
5. Change `summary(cars)` in the first code block to `print("Hello world!")`
6. In that panel, click on *Knit HTML* or *Knit PDF*.
7. Give the file a name and save your Rmd file as `helloworld.Rmd`

An HTML/PDF document should pop-up in the Viewer tab.

You have now successfully completed the set up for the workshop. You may now close Rstudio by clicking Rstudio on the menu bar followed by Quit Rstudio.