

# R Installation Instructions

SOC500

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## 1 R

Instructions for installing R: [here](#)

## 2 RStudio

In this class, we'll be using RStudio to write R code. RStudio can be downloaded [here](#): [here](#)

## 3 R Markdown

Combines Markdown and R code chunks

- Produces a fully reproducible document
- Many available output formats  
PDF, HTML, MS Word, Beamer, ioslides, Slidy
- Installed as part of RStudio

### 3.1 Installation

1. You will need to install knitr. Type `install.packages( "knitr ")` in the R Studio console
2. Configure Your Settings - Do only once. Navigate to the following location:
  - RStudio - Preferences - Sweave
  - Where it says "Weave Rnw files using" change to "knitr"

### 3.2 Workflow

1. Open a file that uses .Rmd extension
2. Write using R Markdown syntax
3. Embed R code chunks which are evaluated and included in the output
4. Render the document, replacing R code with output and transform into PDF, html or desired format