

RStudio and Knitr

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R, RStudio, and Knitr





- Overview
- RStudio
- Document Types
- Demonstration
- Questions



[The R Project for Statistical Computing](#) has a variety of packages for installing R on Windows, MacOS, and Linux systems. [RStudio software for R](#) provides a GUI for R and many convenience functions.

Today we'll discuss RStudio, show some demonstrations of the kind of work you can accomplish using R and how you can go about generating documentation.



- Why RStudio?
- [Emacs Speaks Statistics \(ESS\)](#)
- R Console
- Command Line

You can generate documentation, even interactive documentation, using R. To generate PDFs you'll need a [LaTeX](#) distribution [TeXLive](#) is the one I use on my Linux/Windows/MacOS systems.

- Presentations
- MS Word
- PDF
- HTML



The examples are mostly derived from a project that was part of the Johns Hopkins data science course. You can clone them directly from my [public github repository](#). There are a number of other public projects from the data science course in my GitHub repository. Feel free to clone any of them.



- [StarbucksUSA GitHub](#)
- [StarbucksUSA Shiny App](#)
- [Starbucks-In-Arizona GitHub](#)
- [Starbucks-In-Arizona WebPage](#)
- [QuickR](#)
- [RBloggers](#)
- [Text Mining](#)
- [Nativity Presentation](#)

