

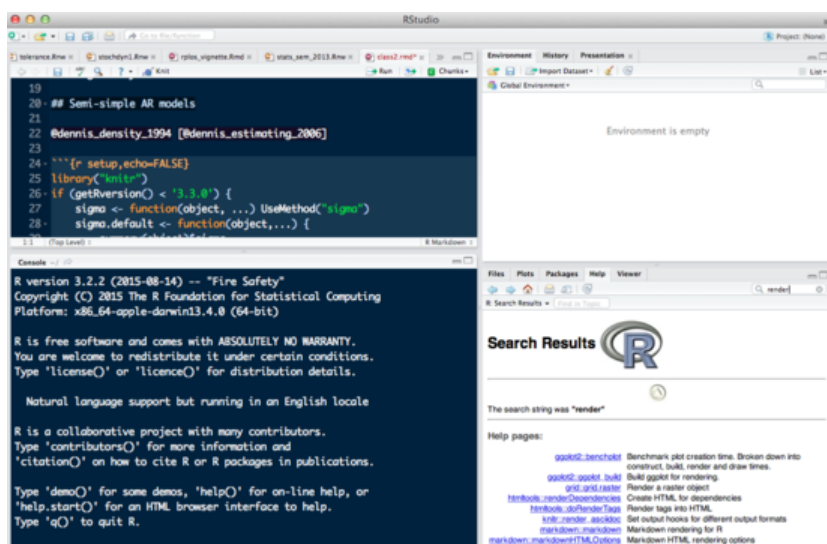
Notes on R markdown

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As I discussed in class, **R Markdown** is a file format which is basically plain text but that intersperses **Markdown** format (a simple format for writing in plain text that can be translated into various output formats such as HTML or PDF) with chunks of R code.

- The .rmd files that I distribute on the Github page are R Markdown files (ignore the .rmd0 files: they have an extra level of formatting). If you open a .rmd file in RStudio, it should automatically recognize the format and present it nicely, e.g.



... i.e. you get syntax highlighting, ability to automatically execute lines of code in the R console, etc..

- The “Knit” button at the top of the screen will in principle build PDF output for you. **You may run into trouble building the PDF if you don’t have a full LaTeX installation on your machine.** An easy workaround is to delete the line output: `rmarkdown::tufte_handout` in the file header and save the file: the “Knit” button will turn into a “Knit HTML” button, which requires much less machinery. Alternatively, you can run individual bits of code, or use the “Chunks/Run All” option (the “Chunks” menu is in the upper right corner of the code window).
- You will need to download the bibliography file (nonlin.bib) in order to build documents.