

R Markdown

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What is Markdown?

- ▶ Created by John Gruber and Aaron Swartz
- ▶ A simplified version of “markup” languages
- ▶ Allows one to focus on writing as opposed to formatting
- ▶ Simple/minimal intuitive formatting elements
- ▶ Easily converted to valid HTML (and other formats) using existing tools
- ▶ Complete information is available at <http://daringfireball.net/projects/markdown/>
- ▶ Some background information at http://daringfireball.net/2004/03/dive_into_markdown

What is R Markdown?

- ▶ R markdown is the integration of R code with markdown
- ▶ Allows one to create documents containing “live” R code
- ▶ R code is evaluated as part of the processing of the markdown
- ▶ Results from R code are inserted into markdown document
- ▶ A core tool in literate statistical programming

What is R Markdown?

- ▶ R markdown can be converted to standard markdown using the knitr package in R
- ▶ Markdown can be converted to HTML using the markdown package in R
- ▶ Any basic text editor can be used to create a markdown document; no special editing tools needed
- ▶ The R markdown \rightarrow markdown \rightarrow HTML work flow can be easily managed using R Studio (but not required)
- ▶ These slides were written in R markdown and converted to slides using the slidify package