



# 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](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 --> markdown --> 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