

R Markdown

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Tell your story - R Markdown

- R Markdown is an authoring format that enables easy creation of dynamic documents, presentations, and reports from R.
 - It combines the core syntax of markdown (an easy-to-write plain text format) with embedded R code chunks that are run so their output can be included in the final document.
 - Many available output formats including HTML, PDF, and MS Word
 - **Installation**
Use RStudio: already installed
Outside of RStudio: `install.packages("rmarkdown")`. A recent version of pandoc ($\geq 1.12.3$) is also required. See <https://github.com/rstudio/rmarkdown/blob/master/PANDOC.MD> to install it.
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Check out Markdown first

Markdown is a markup language with plain text formatting syntax designed so that it can be converted to HTML and many other formats using a tool by the same name.

One minute you get the point, and always check the cheat sheets

<https://github.com/adam-p/markdown-here/wiki/Markdown-Cheatsheet#lists>

R Markdown

- YAML header
- Edit Markdown, and R chunks
- Run!
RStudio: knitr button
Command line: `render("file.Rmd")`

R code chunks: http://rmarkdown.rstudio.com/authoring_rcodechunks.html

Cheat sheet of rmarkdown:

<http://www.rstudio.com/wp-content/uploads/2015/02/rmarkdown-cheatsheet.pdf>

Then, R Markdown sample code

Download the template:

https://github.com/datasciencedojo/datasets/blob/master/rmarkdown_template.Rmd

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