

rmarkdown notes

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For pdf format need to render with `output_format=pdf_document(latex_engine='xelatex')`

More on Tufte

- Tufte Handout
- Tufte in R

Basics

A YAML is header is a set of key. Output can also be:

- `pdf_document`
- `word_document`
- `beamer_document`
- `ioslides_document`

To knitr the .Rmd file to the output, in R, execute:

```
render("file.rmd")
```

To knitr the .Rmd file as shiny output, in R, execute:

```
run("file.rmd")
```

Basic Syntax

Plain text

End a line with two spaces to start a new paragraph.

Or

End a line with a `\`. This is useful in tables.

Put an empty line between two line to start a new paragraph, with a gap.

italics and *italics*

bold and **bold**

superscript²

~~strikethrough~~

link

Header 1

Header 2

Header 1

Header 2

Header 3

Header 4

Header 5

Header 6

endash: –

emdash: —

ellipsis: …

inline equation: $A = \pi * r^2$

block quote

plain code blocks

Inline code block.

LaTeX Equations:

Inline: *equation*

Display equation:

equation

- unordered list
- item 2
 - sub-item 1
 - sub-item 2
- 1. ordered list
- 2. item 2
 - sub-item 1
 - sub-item 2

Table Header	Second Header
Table Cell	Cell 2
Cell 3	Cell 4

horizontal rule (or slide break; 3 or more is good):



Embedding R Codes

Default:

```
paste("Hello, World!")
```

```
## [1] "Hello, World!"
```

Include code: $2 + 2 = 4$

Chuck Options (inside {r})

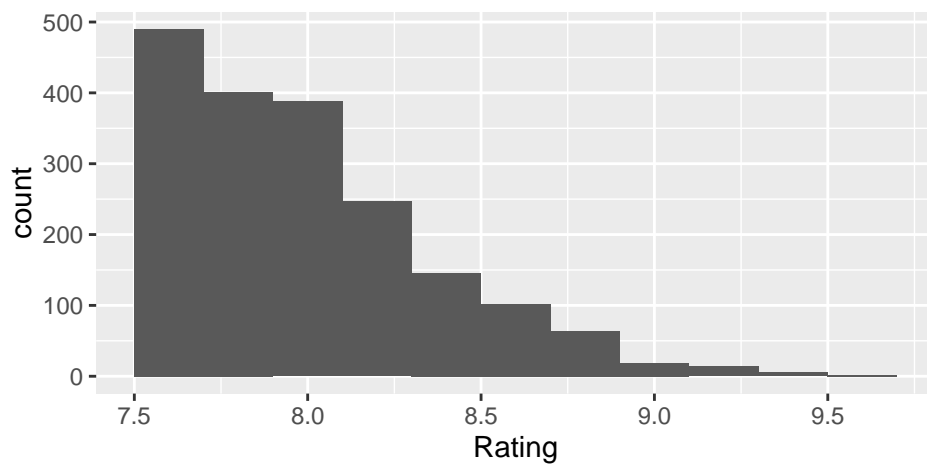
To only show the codes:

```
paste("Hello, World!")
```

To only show the evaluation:

```
## [1] "Hello, World!"
```

Example:



With ggplot2:

```
imdb <- read_csv('~Documents/Projects/IMDB/ratings_list_short_151120.csv')
ggplot(imdb, aes(x = Rating)) +
  geom_histogram(binwidth = 0.2)
```