rmarkdown notes

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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:

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

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

```r
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**
superscript^2
~~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:

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

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

Include code: $2 + 2 = 4$

Chuck Options (inside {r})

To only show the codes:

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

To only show the evaluation:

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

Example:

With ggplot2:

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