introductionRmarkdown

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## R Markdown

## Chunck Options

* include = FALSE prevents code and results from appearing in the finished file. R Markdown still runs the code in the chunk, and the results can be used by other chunks.
* echo = FALSE prevents code, but not the results from appearing in the finished file. This is a useful way to embed figures.
* message = FALSE prevents messages that are generated by code from appearing in the finished file.
* warning = FALSE prevents warnings that are generated by code from appearing in the finished.
* fig.cap = “…” adds a caption to graphical results.

To set global options that apply to every chunk in your file, call knitr::opts\_chunk$set in a code chunk. Knitr will treat each option that you pass to knitr::opts\_chunk$set as a global default that can be overwritten in individual chunk headers

## Inline code

R Markdown will always \* display the results of inline code, but not the code \* apply relevant text formatting to the results

# y <- x+x (y = incline code, x = include=FALSE)  
y

## [1] 20

## Code languages

# Python code  
print('"Isn\'t," they said.')

## "Isn't," they said.

## Parameters

Parameters are declared using the params field within the YAML header of the document (at the top; params: data: “…”).

To access a parameter in code, call params$

# render("5-parameters.Rmd", params = list(data = "aleutians"))  
# data(list = params$data)

## Tables

A knitr kable.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mpg | cyl | disp | hp | drat | wt | qsec | vs | am | gear | carb |
| Mazda RX4 | 21.0 | 6 | 160 | 110 | 3.90 | 2.620 | 16.46 | 0 | 1 | 4 | 4 |
| Mazda RX4 Wag | 21.0 | 6 | 160 | 110 | 3.90 | 2.875 | 17.02 | 0 | 1 | 4 | 4 |
| Datsun 710 | 22.8 | 4 | 108 | 93 | 3.85 | 2.320 | 18.61 | 1 | 1 | 4 | 1 |
| Hornet 4 Drive | 21.4 | 6 | 258 | 110 | 3.08 | 3.215 | 19.44 | 1 | 0 | 3 | 1 |
| Hornet Sportabout | 18.7 | 8 | 360 | 175 | 3.15 | 3.440 | 17.02 | 0 | 0 | 3 | 2 |

## Markdown Basics

### Header 3

* *italics*
* **bold**
* code
* superscript2
* ~~strikethrough~~
* [links](rmarkdown.rstudio.com)
* Latex equations
* And bibliographies (R Core Team 2019)

R Core Team. 2019. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org>.