03 - Reproducible Comprehension Check

Phaneendra Valaboju - Harvard Data Science Professional

Why R Markdown?

Why might you want to create a report using R Markdown?

- R Markdown has better spell-checking tools than other word processors.
- R Markdown allows you to automatically add figures to the final document. [X]
- R Markdown final reports have smaller file sizes than Word documents.
- R Markdown documents look identical to the final report.

Naming an R Chunk

You have a vector of student `heights` called heights. You want to generate a histogram of these heights in a final report, but you don't want the code to show up in the final report. You want to name the R chunk "histogram" so that you can easily find the chunk later.

Which of the following R chunks does everything you want it to do?

- `/{r, histogram, echo=FALSE} hist(heights)`
- `{r histogram} hist(heights)`

- `{r, echo=FALSE} hist(heights)`

- `{r histogram, echo=FALSE} hist(heights)` [X]

R Markdown Report

Below is a section of R Markdown code that generates a report.

— title: "Final Grade Distribution" output: pdf_document—'' `{r,echo=FALSE} load(file="my_data.Rmd")` summary(grades) ''

Select the statement that describes the file report generated by the R markdown code above.

- A PDF document called "Final Grade Distribution" that prints a summary of the "grades" object. The code to load the file and produce the summary will not be included in the final report. [X]
- A PDF document called "Final Grade Distribution" that prints a summary of the "grades" object. The code to load the file and produce the summary will be included in the final report.
- An HTML document called "Final Grade Distribution" that prints a summary of the "grades" object. The code to load the file and produce the summary will not be included in the final report.
- A PDF document called "Final Grade Distribution" that is empty because the argument echo=FALSE was used.

Report File Format

The user specifies the output file format of the final report when using R Markdown. Which of the

following file types is NOT an option for the final output?

- .rmd [X]
- .pdf
- .doc
- .html