



Comprehension Check and

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Comprehension Check:

Reproducible Reports

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Comprehension Check: Reproducible Reports

Question 1

0/1 point (graded)

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. ✓

☒ R Markdown final reports have smaller file sizes than Word documents.

☐ R Markdown documents look identical to the final report.



Answer

Incorrect:

Try again. R Markdown can create Word documents as final reports, so the file sizes may be identical.

Explanation

R Markdown automatically adds figures to the final document, along with any text describing your project.



Submit

You have used 2 of 2 attempts

i Answers are displayed within the problem

Question 2

1/1 point (graded)

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, message=FALSE}
hist(heights)
```
```



```
```{r histogram, warning=FALSE}
hist(heights)
```
```



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



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



Answer

Correct:



This chunk is named “histogram” and plots a histogram of the values in the `heights` vector. The argument `echo=FALSE` prevents the code from appearing in the final document, but the figure will be included.

Submit

You have used 2 of 2 attempts

Question 3

1/1 point (graded)

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.
- ☐ 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.



Answer



Correct:

The `title` and `output` specify the name and type of report to be generated. The `summary` command produces a summary of the object and `echo=FALSE` means that the code will not appear in the final report, only the output of the summary.

Submit

You have used 2 of 2 attempts

Question 4

0/1 point (graded)

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 ✓

☐ .pdf

☐ .doc

☒ .html



Answer

Incorrect: Try again. R Markdown can generate an HTML file as the final report.

Explanation

The .Rmd files are the R Markdown files themselves, not the final reports. R Markdown can generate PDF, Word, and HTML files as final reports.

Submit

You have used 2 of 2 attempts

i Answers are displayed within the problem



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