

R Markdown

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R Markdown

Export html / pdf / word documents

output: html_document

output: pdf_document

output: word_document

output: md_document

.rmd

Header, narrative text, R code chunks

Reproducibility of research

Styling narrative sections

italics

****bold****

``code``

[RStudio](www.rstudio.com)

First level header

Second level header

Third level header

Lists in R Markdown

Place each item on a new line after an asterisk and a space, like this:

- * item 1

- * item 2

- * item 3

1. item 1

2. item 2

3. item 3

Math equations

$$1 + 1 = 2$$

$$fahrenheit = celsius \times \frac{9}{5} + 32$$

R code chunks

```
```${r}  
some code
```
```

When you render the report, R will execute the code

If the code returns any results, R will add them to your report

Customize R code chunks

Optional arguments after the r inside ```{r}`

```
``{r warning = FALSE, echo = FALSE, eval = FALSE, results = 'hide'}
```

```
# some code
```

```
``
```

If **warning = FALSE**, R Markdown will not display the warning generated by the chunk

If **echo = FALSE**, R Markdown will not display the code in the final document (but it will still run the code and display its results unless told otherwise)

If **eval = FALSE**, R Markdown will not run the code or include its results, (but it will still display the code unless told otherwise)

If **results = 'hide'**, R Markdown will not display the results of the code (but it will still run the code and display the code itself unless told otherwise)

Reusing code chunks

```
```\r simple_sum, results = 'hide'}  
2 + 2
```
```

```
```\r ref.label='simple_sum', echo = FALSE}  
```
```

References

<https://www.rstudio.com/wp-content/uploads/2015/03/rmarkdown-reference.pdf>

<https://www.datacamp.com/courses/reporting-with-r-markdown>