

R Markdown Cheat Sheet

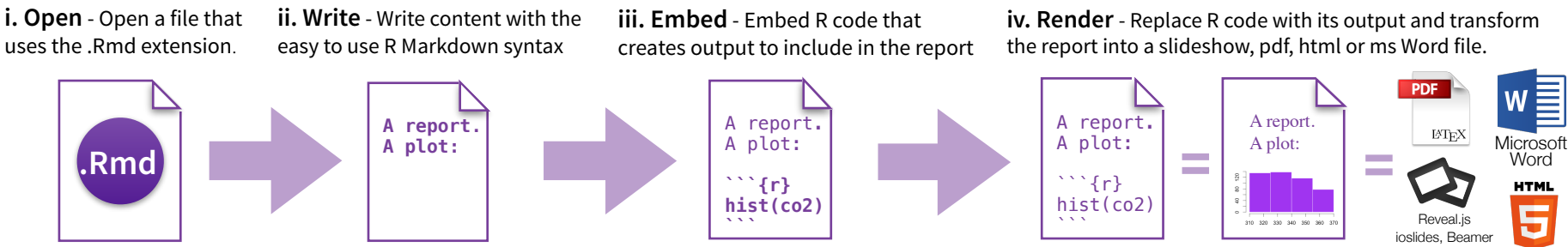
learn more at rmarkdown.rstudio.com

rmarkdown 0.2.50 Updated: 8/14



1. Workflow

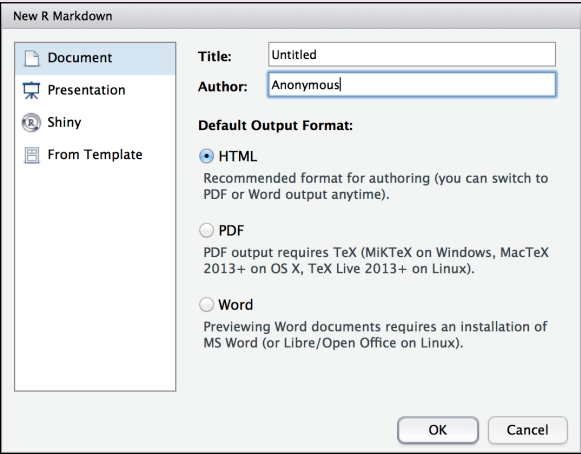
R Markdown is a format for writing reproducible, dynamic reports with R. Use it to embed R code and results into slideshows, pdfs, html documents, Word files and more. To make a report:



2. Open File

Start by saving a text file with the extension .Rmd, or open an RStudio Rmd template

- In the menu bar, click **File ► New File ► R Markdown...**
- A window will open. Select the class of output you would like to make with your .Rmd file
- Select the specific type of output to make with the radio buttons (you can change this later)
- Click OK



3. Markdown

Next, write your report in plain text. Use markdown syntax to describe how to format text in the final report.

syntax

Plain text
End a line with two spaces to start a new paragraph.
italics and `_italics_`
****bold**** and `__bold__`
^{superscript^2^}
~~~strikethrough~~~  
[\[link\]\(www.rstudio.com\)](#)

# Header 1  
## Header 2  
### Header 3  
#### Header 4  
##### Header 5  
##### Header 6

endash: --  
emdash: ---  
ellipsis: ...  
inline equation:  $A = \pi * r^2$   
image:

### becomes

Plain text  
End a line with two spaces to start a new paragraph.  
*italics* and *italics*  
**bold** and **bold**  
<sup>superscript<sup>2</sup></sup>  
~~strikethrough~~  
[link](#)

Header 1  
Header 2  
Header 3  
Header 4  
Header 5  
Header 6

endash: –  
emdash: —  
ellipsis: …  
inline equation:  $A = \pi * r^2$



horizontal rule (or slide break):

\*\*\*

> block quote

\* 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        |

block quote

• 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        |

## 4. Choose Output

Write a YAML header that explains what type of document to build from your R Markdown file.

### YAML

A YAML header is a set of key: value pairs at the start of your file. Begin and end the header with a line of three dashes (---)

```
---  
title: "Untitled"  
author: "Anonymous"  
output: html_document  
---  
  
This is the start of my  
report. The above is metadata  
saved in a YAML header.
```

The RStudio  
template writes  
the YAML header  
for you

The output value determines which type of file R will build from your .Rmd file (in Step 6)

- output: **html\_document** ..... html file (web page)
- output: **pdf\_document** ..... pdf document
- output: **word\_document** ..... Microsoft Word .docx
- output: **beamer\_presentation** ..... beamer slideshow (pdf)
- output: **ioslides\_presentation** ..... ioslides slideshow (html)

