

Title

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Introduction

How to Use?

► From R Studio

1. File -> New File -> R Markdown
2. Select From Template
3. Select Mayo Beamer Presentation Template
4. Enter Name and Location and click OK
 - A new directory at the location specified will be created containing the template Rmd file
 - The Rmd file will also open in the R Studio editor
5. Edit the file and click the Knit button to compile

How to Use?

► From R

1. `library(rmarkdown)`
`draft("/dir/location/myfile.Rmd", template="mayo_beamer", package="rlocal")`
 - A new directory (`/dir/location/myfile`) will be created
 - `/dir/location/myfile/myfile.Rmd` will also open
2. Edit `myfile.Rmd` and save
3. Compile using render function
`render("/dir/location/myfile/myfile.Rmd")`

Example Slide with Bullets

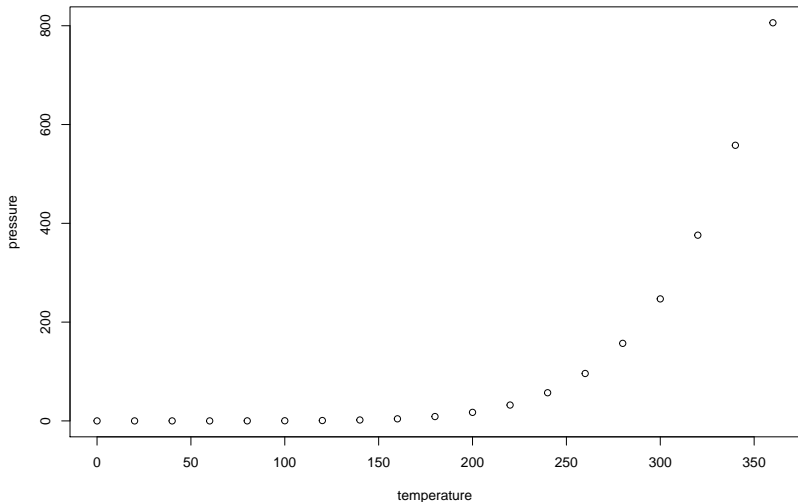
- ▶ Bullet 1
- ▶ Bullet 2
 - ▶ Sub Bullet 1
 - ▶ Sub Bullet 2
 - ▶ Sub Sub Bullet 1
- ▶ Bullet 3
 - 1. Ordered Sub Bullet 1
 - 2. Ordered Sub Bullet 2

Example Slide with R Output

```
summary(cars)
```

##	speed	dist
##	Min. : 4.0	Min. : 2.00
##	1st Qu.:12.0	1st Qu.: 26.00
##	Median :15.0	Median : 36.00
##	Mean :15.4	Mean : 42.98
##	3rd Qu.:19.0	3rd Qu.: 56.00
##	Max. :25.0	Max. :120.00

Example Slide with Plot



Example Slide with Table

	mpg	cyl	disp	hp	drat
Mazda RX4	21.0	6	160	110	3.90
Mazda RX4 Wag	21.0	6	160	110	3.90
Datsun 710	22.8	4	108	93	3.85
Hornet 4 Drive	21.4	6	258	110	3.08
Hornet Sportabout	18.7	8	360	175	3.15

Customizations

Sections

The slide level option in the YAML metadata defines the number of section levels

- ▶ `slide_level: 1`
 - ▶ using `#` will be slide titles (no sections)
- ▶ `slide_level: 2` (default)
 - ▶ using `#` will result in section headings
 - ▶ using `##` will be slide titles
- ▶ `slide_level: 3`
 - ▶ using `#` will result in section headings
 - ▶ using `##` will result in subsection headings
 - ▶ using `###` will be slide titles

Outline Slide (if using sections)

If you want to include an outline slide after the title slide, put “toc: true” under the output statement in your YAML metadata

```
- - -  
output:  
  rlocal:mayo_beamer:  
    toc: true  
- - -
```

Incremental Bullets (All Slides)

If you want to include incremental bullets for all slides, put “incremental: true” under the output statement in your YAML metadata

- - -

output:

```
  rlocal:mayo_beamer:  
    incremental: true
```

- - -

Incremental Bullets (Only Some Slides)

If you want bullets to be incremental for certain slides you can add “>” prior to the bullet or text

- ▶ Incremental Bullet 1

Incremental Bullets (Only Some Slides)

If you want bullets to be incremental for certain slides you can add “>” prior to the bullet or text

- ▶ Incremental Bullet 1
- ▶ Incremental Bullet 2

Incremental Bullets (Only Some Slides)

If you want bullets to be incremental for certain slides you can add “>” prior to the bullet or text

- ▶ Incremental Bullet 1
- ▶ Incremental Bullet 2
- ▶ Incremental Bullet 3

Resizing Content

If you want to change the size of text in some slides, add the following prior to the text you want the different size for:

`\tiny \scriptsize \footnotesize \small`

`\normalsize \large \Large \LARGE`

`\huge \Huge`

Adding References (using .bib file)

1. An example bibliography.bib file is already located in the directory when using the mayo beamer template
2. Add the following to your YAML metadata to use
| - - - | bibliography: bibliography.bib | - - -
3. Include inline references using the syntax [`@reference_id`]
4. Include uncited references by adding the following to your YAML metadata
| - - - | nocite: | | @ref1, @ref2, etc. | - - -

Adding References (using references in YAML metadata)

1. Add references to your YAML metadata

```
| - - - | references: | - id: R | type: book | title: 'R: A Language and  
Environment for Statistical Computing' | author: | - family: 'R Core  
Team' | publisher: 'R Foundation for Statistical Computing' |  
publisher-place: 'Vienna, Austria' | issued: | - year: '2015' | URL:  
'http://www.R-project.org/' | - - -
```

2. Same as steps 3. and 4. from previous slide

Resources

Resources

- ▶ [R Markdown Presentations with Beamer](#)
- ▶ [R Markdown Bibliographies](#)
- ▶ [R Markdown Cheatsheet](#)