Throwdown demo

Jenny

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You can make levels of heading in RMarkdown documents using hash

One hash for really big headings

Two hash for smaller

Three for even smaller

So on and so forth

You can also make things bold and italics using asteriks on either side of the text. Use two askteriks for bold and 1 asterisk for italics.

I want this to be bold

I want this to be italics

You can also make bullet points with dashes.

- bullet 1
- bullet 2
- bullet 3

Don't forget to put a space after the dash.

You can get quotes to be indented and nicely formatted using >

> there is no such thing as a silly question

You can insert links with a combination of round and square brackets. Put the text in square brackets and the url in round brackets

The resources for RMarkdownThrowdown will be available at Jen's github

Also pictures/gifs/tweets are all embeddable.

Pictures use `![](image.png)` to add pics from your working directory OR embed from google

Tweets use the embed code

I'm seriously tired of explaining to white cis males that are AWARE of gender inequalities in technology WHY groups as the R-Ladies/pyladies are needed. Tired of the "these girls are discriminating us, they want to create more segregation" argument ???? ?????? Just tired. #rladies #rstats

— Bruna Wundervald (@bwundervald) February 25, 2019

Gifs use the embed code

via GIPHY

Figure 1:

What about code?

You can interspere notes and code "chunks". R published everything in the document as text etc and runs the code in grey.

SHORTCUT for adding a chunk is Ctrl-Alt-I. You can run each chunk of data by pressing hte green arrow, or using the same shortcuts you would if you were running code in a script (Ctrl-Shift-Enter)

```
library(tidyverse)
```

```
## -- Attaching packages ------------------------------------------- tidyverse 1.2.1 --
```

```
## v ggplot2 3.1.0      v purrr   0.3.0
## v tibble  2.0.1      v dplyr   0.7.8
## v tidyr   0.8.2      v stringr 1.3.1
## v readr   1.3.1      v forcats 0.3.0
```

```
## Warning: package 'tibble' was built under R version 3.5.2
```

```
## Warning: package 'purrr' was built under R version 3.5.2
```

```
## -- Conflicts ---------------------------------------------- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
beaches <- read_csv("sydneybeaches.csv")
```
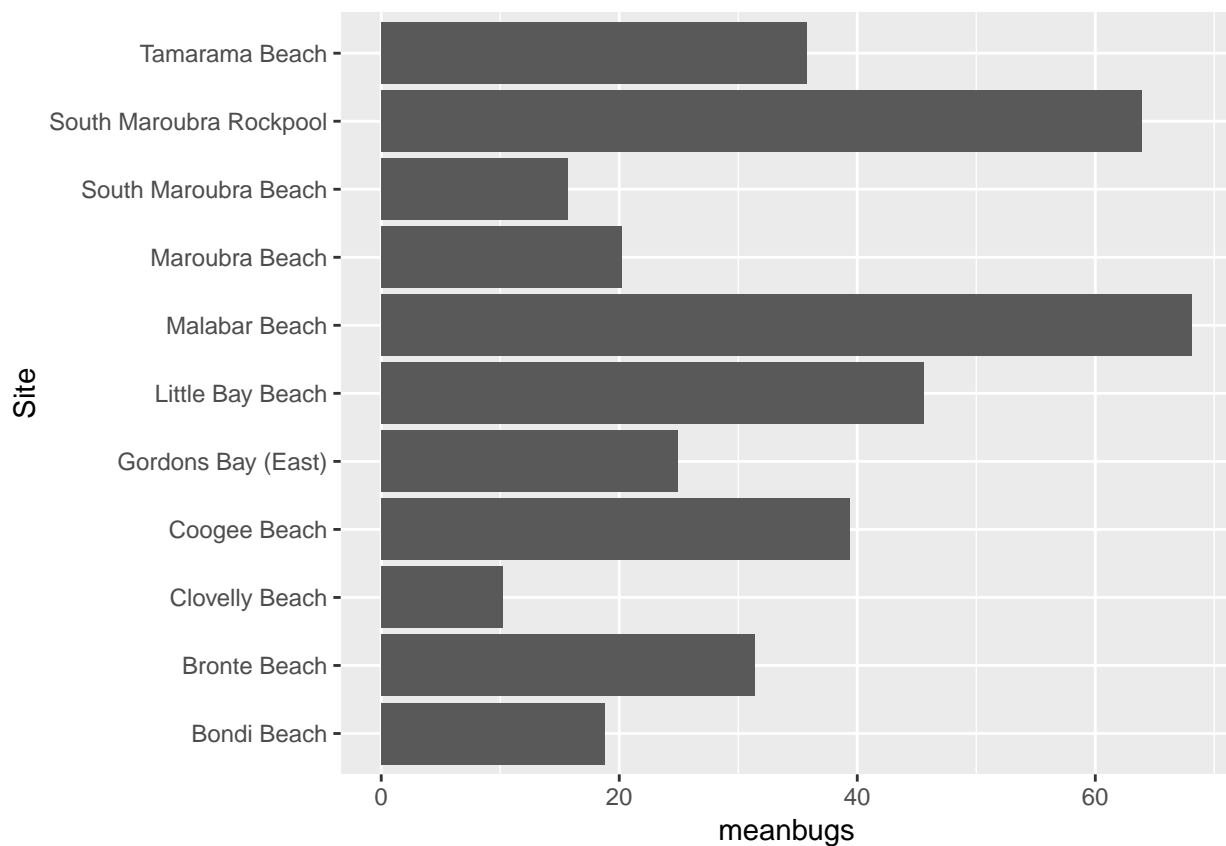
```
## Parsed with column specification:
## cols(
##   BeachId = col_double(),
##   Region = col_character(),
##   Council = col_character(),
```

```
##   Site = col_character(),
##   Longitude = col_double(),
##   Latitude = col_double(),
##   Date = col_character(),
##   `Enterococci (cfu/100ml)` = col_double()
## )
```

What happens if we knit that?? It puts code in grey and output in white boxes and everything else is text.

Can we do graphs?

```
beaches %>%
  group_by(Site) %>%
  summarise(meanbugs = mean(`Enterococci (cfu/100ml)`, na.rm= TRUE)) %>%
  ggplot(aes(x= Site, y= meanbugs)) +
  geom_col() +
  coord_flip()
```


Looks like swimming at Malabar is not a good idea. . .

Export formats

The default export format is to html, but you can export to pdf or word. Watch out pdf is finickity. You need to have some pdflatex thing also installed.

Try. . .

```
install.packages("tinytex")
```