

ASSIGNMENT 4_rMarkdown

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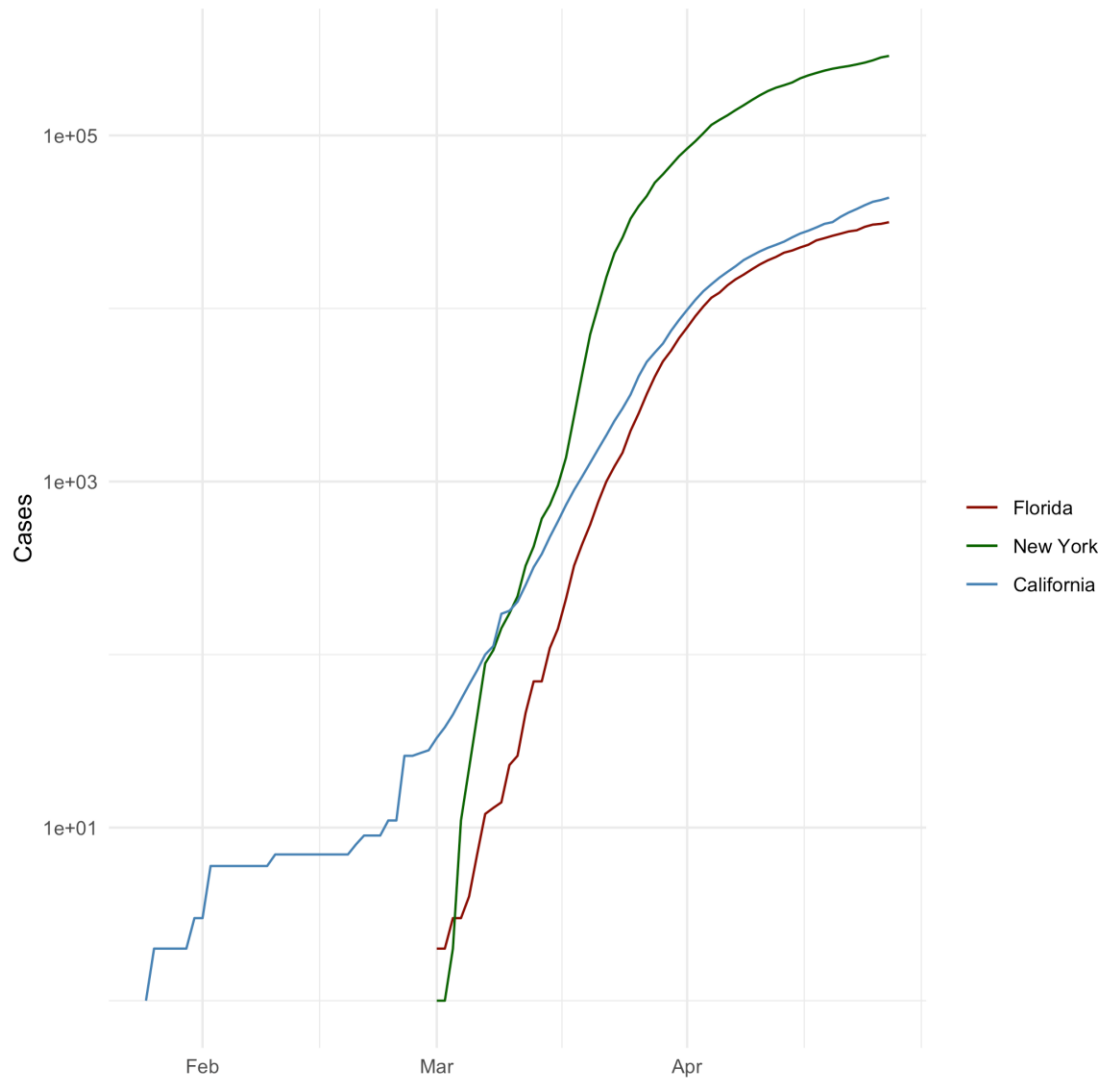
2023-04-21

Markdown Basics

Favorite Foods

1. Grilled Fish
2. Mango Fruit
3. Ice Cream

Images



Covid-19 Cases

Add a Quote

“The future belongs to those who believe in the beauty of their dreams. -Eleanor Roosevelt”

Add an Equation

\$ $E=MC^2$ \$

Add a Footnote

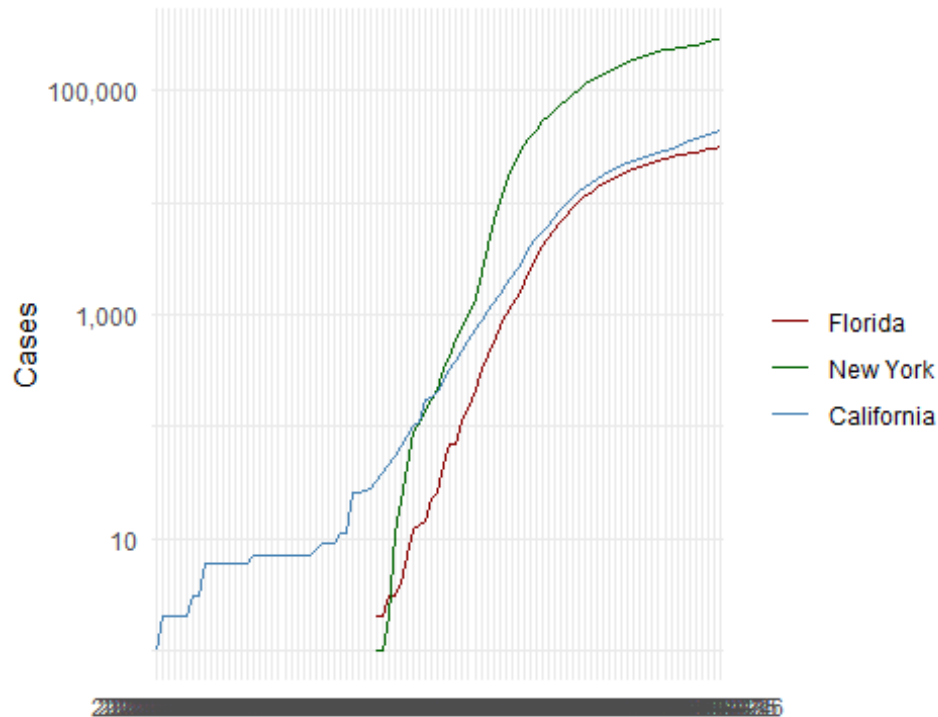
This is a footnote.^[1] ^[1]Footnote line

Add Citations

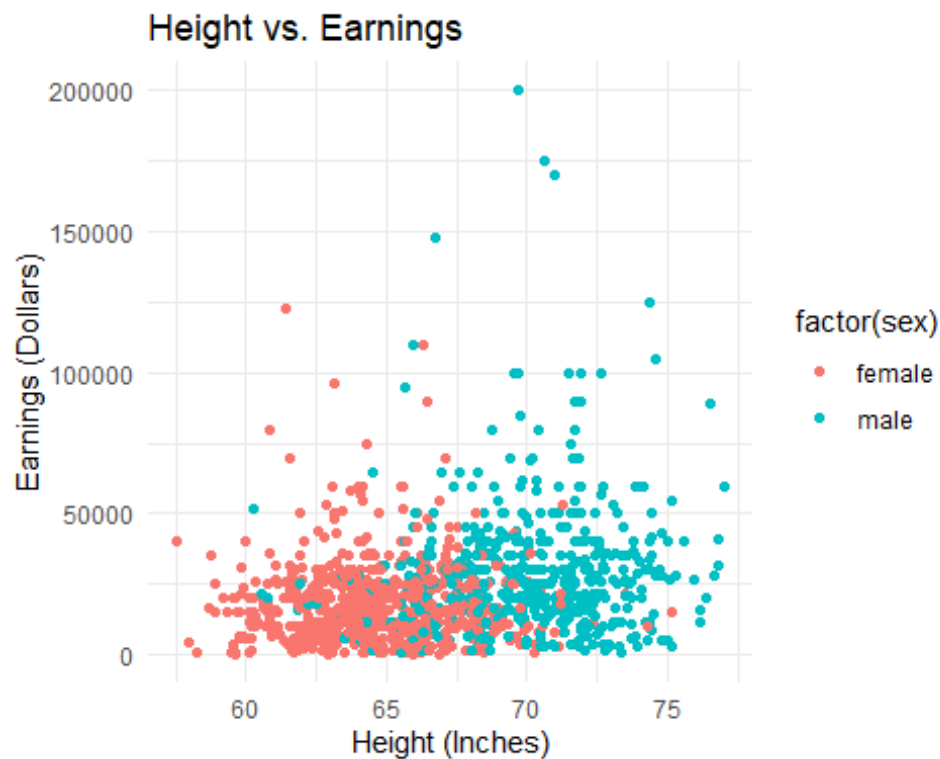
- R for Everyone (Lander 2014)
- Discovering Statistics Using R (Field, Miles, and Field 2012)

Inline Code

NY Times COVID-19 Data



R4DS Height vs Earnings



Tables

```
name <- c("Aragon", "Bilbo", "Frodo", "Galadriel", "Sam", "Gandalf",  
"Legolas", "Sauron", "Gollum")  
race <- c("Men", "Hobbit", "Hobbit", "Elf", "Hobbit", "Maia", "Elf", "Maia",  
"Hobbit")  
in_fellowship <- c(TRUE, FALSE, TRUE, FALSE, TRUE, TRUE, TRUE, FALSE, FALSE)  
ring_bearer <- c(FALSE, TRUE, TRUE, FALSE, TRUE, TRUE, FALSE, TRUE, TRUE)  
age <- c(88, 129, 51, 7000, 36, 2019, 2931, 7052, 589)  
characters_df <- data.frame(name, race, in_fellowship, ring_bearer, age)
```

Knitr Table with Kable

```
library(knitr)  
  
## Warning: package 'knitr' was built under R version 4.2.3  
  
knitr::kable(characters_df, col.names = c("Name", "Race", "In Fellowship?",  
"Is Ring Bearer?", "Age"), caption='One Ring to Rule Them All.')
```

One Ring to Rule Them All.

Name	Race	In Fellowship?	Is Ring Bearer?	Age
Aragon	Men	TRUE	FALSE	88
Bilbo	Hobbit	FALSE	TRUE	129

Name	Race	In Fellowship?	Is Ring Bearer?	Age
Frodo	Hobbit	TRUE	TRUE	51
Galadriel	Elf	FALSE	FALSE	7000
Sam	Hobbit	TRUE	TRUE	36
Gandalf	Maia	TRUE	TRUE	2019
Legolas	Elf	TRUE	FALSE	2931
Sauron	Maia	FALSE	TRUE	7052
Gollum	Hobbit	FALSE	TRUE	589

Pandoc Table

```
library(pander)

## Warning: package 'pander' was built under R version 4.2.3

library(Rcpp)
pannames <- c("Aragon", "Bilbo", "Frodo", "Sam", "Sauron")
panrace <- c("Men", "Hobbit", "Hobbit", "Hobbit", "Maia")
panfellow <- c("Yes", "No", "Yes", "Yes", "No")
panring <- c("No", "Yes", "Yes", "Yes", "Yes")
panage <- c(88, 129, 51, 36, 7052)
pantable_df <- data.frame(pannames, panrace, panfellow, panring, panage)
pandoc.table(pantable_df, style='grid')

##
##
## +-----+-----+-----+-----+-----+
## | pannotes | panrace | panfellow | panring | panage |
## +-----+-----+-----+-----+-----+
## | Aragon   | Men     | Yes       | No      | 88      |
## +-----+-----+-----+-----+-----+
## | Bilbo    | Hobbit  | No        | Yes     | 129     |
## +-----+-----+-----+-----+-----+
## | Frodo    | Hobbit  | Yes       | Yes     | 51      |
## +-----+-----+-----+-----+-----+
## | Sam      | Hobbit  | Yes       | Yes     | 36      |
## +-----+-----+-----+-----+-----+
## | Sauron   | Maia    | No        | Yes     | 7052    |
## +-----+-----+-----+-----+-----+
```

References

Field, A, J Miles, and Z Field. 2012. "Discovering Statistics Using r| SAGE Publications Ltd." SAGE Publications Ltd.

Lander, Jared P. 2014. *R for Everyone: Advanced Analytics and Graphics*. Pearson Education.