

ASSIGNMENT 4

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2020-09-21

Markdown Basics

Favorite Foods

- 1.Pizza
- 2.Tacos
- 3.Pad Thai

Images

Add a Quote

The path of the righteous man is beset on all sides by the iniquities of the selfish and the tyranny of

Add an Equation

$$P(A|B) = P(B|A)P(A)/P(B)$$

Add a Footnote

This is a footnote from assignbment 4 Markdown

Add Citations

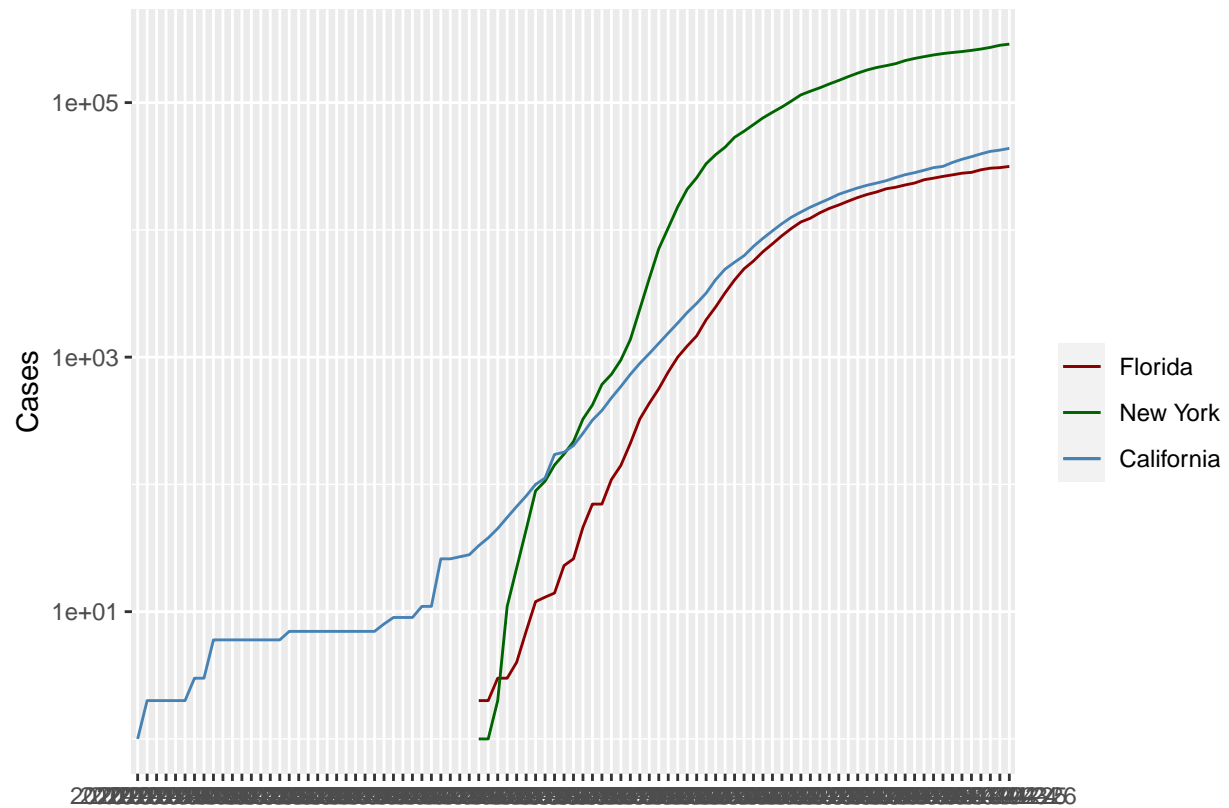
- R for Everyone (Lander 2014)
- Discovering Statistics Using R (Field, Miles, and Field 2012)



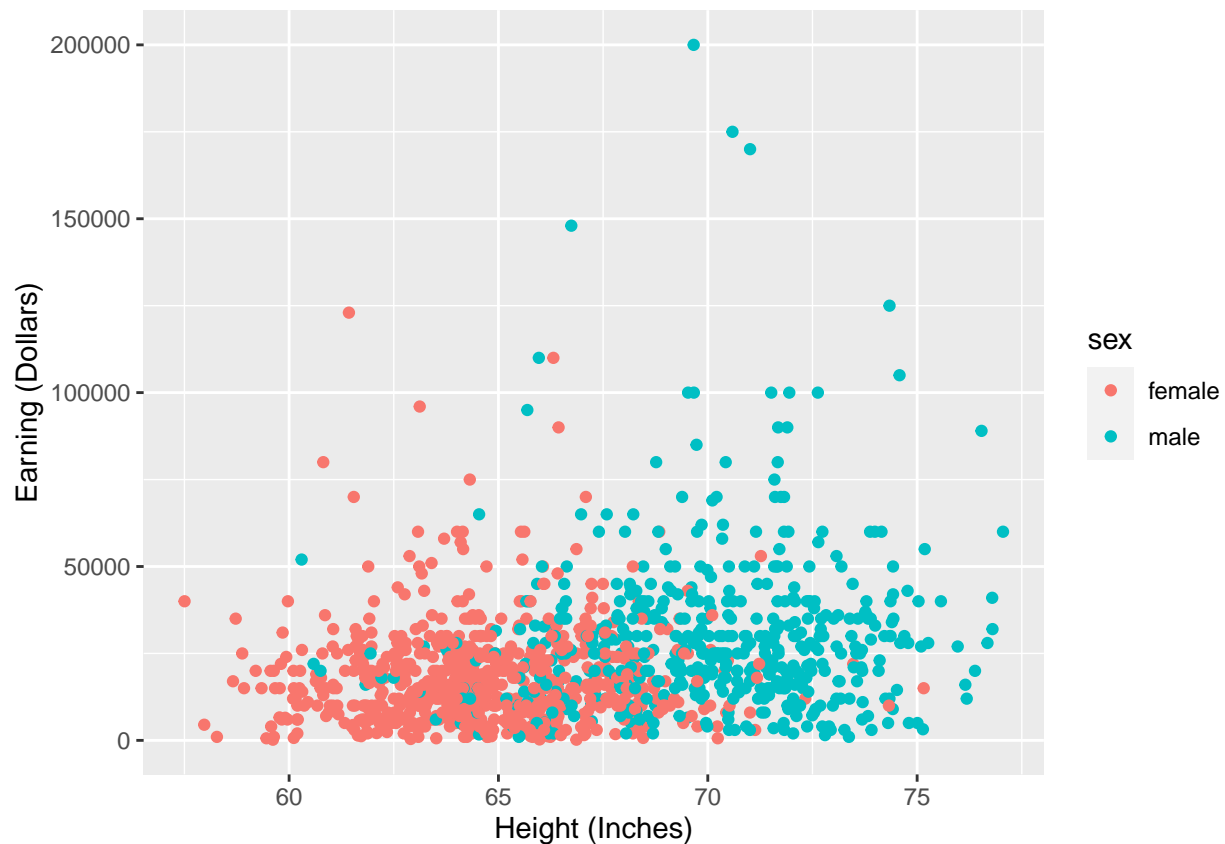
Figure 1: 'All Cases (Log Plot)'

Inline Code

NY Times COVID-19 Data



R4DS Height vs Earnings



Tables

Knitr Table with Kable

```
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::kable(characters_df, row.names = NA, caption = "One Ring to Rule Them All" )
```

Table 1: One Ring to Rule Them All

name	race	in_fellowship	ring_bearer	age
Aragon	Men	TRUE	FALSE	88
Bilbo	Hobbit	FALSE	TRUE	129
Frodo	Hobbit	TRUE	TRUE	51
Galadriel	Elf	FALSE	FALSE	7000
Sam	Hobbit	TRUE	TRUE	36

name	race	in_fellowship	ring_bearer	age
Gandalf	Maia	TRUE	TRUE	2019
Legolas	Elf	TRUE	FALSE	2931
Sauron	Maia	FALSE	TRUE	7052
Gollum	Hobbit	FALSE	TRUE	589

Pandoc Table

```
##
## -----
##      Name      Race      In Fellowship?      Is Ring Bearer?      Age
## -----
##      Aragon      Men          TRUE          FALSE          88
##
##      Bilbo      Hobbit        FALSE          TRUE          129
##
##      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
## -----
##
## Table: One Ring to Rule Them All
```

References

- Field, A., J. Miles, and Z. Field. 2012. *Discovering Statistics Using R*. SAGE Publications. <https://books.google.com/books?id=wd2K2zC3swIC>.
- Lander, J. P. 2014. *R for Everyone: Advanced Analytics and Graphics*. Addison-Wesley Data and Analytics Series. Addison-Wesley. <https://books.google.com/books?id=3eBVAgAAQBAJ>.