

ASSIGNMENT 4

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2021-01-21

Markdown Basics

Favorite Foods

1. Steak
2. Cheeseburger
3. Eggs

Images

Add a Quote

“Success is not final, failure is not fatal: it is the courage to continue that counts” – Winston Churchill

Add an Equation

$1+1$

Add a Footnote

Here is a footnote.¹

Add Citations

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

Inline Code

¹This is what a footnote looks like.

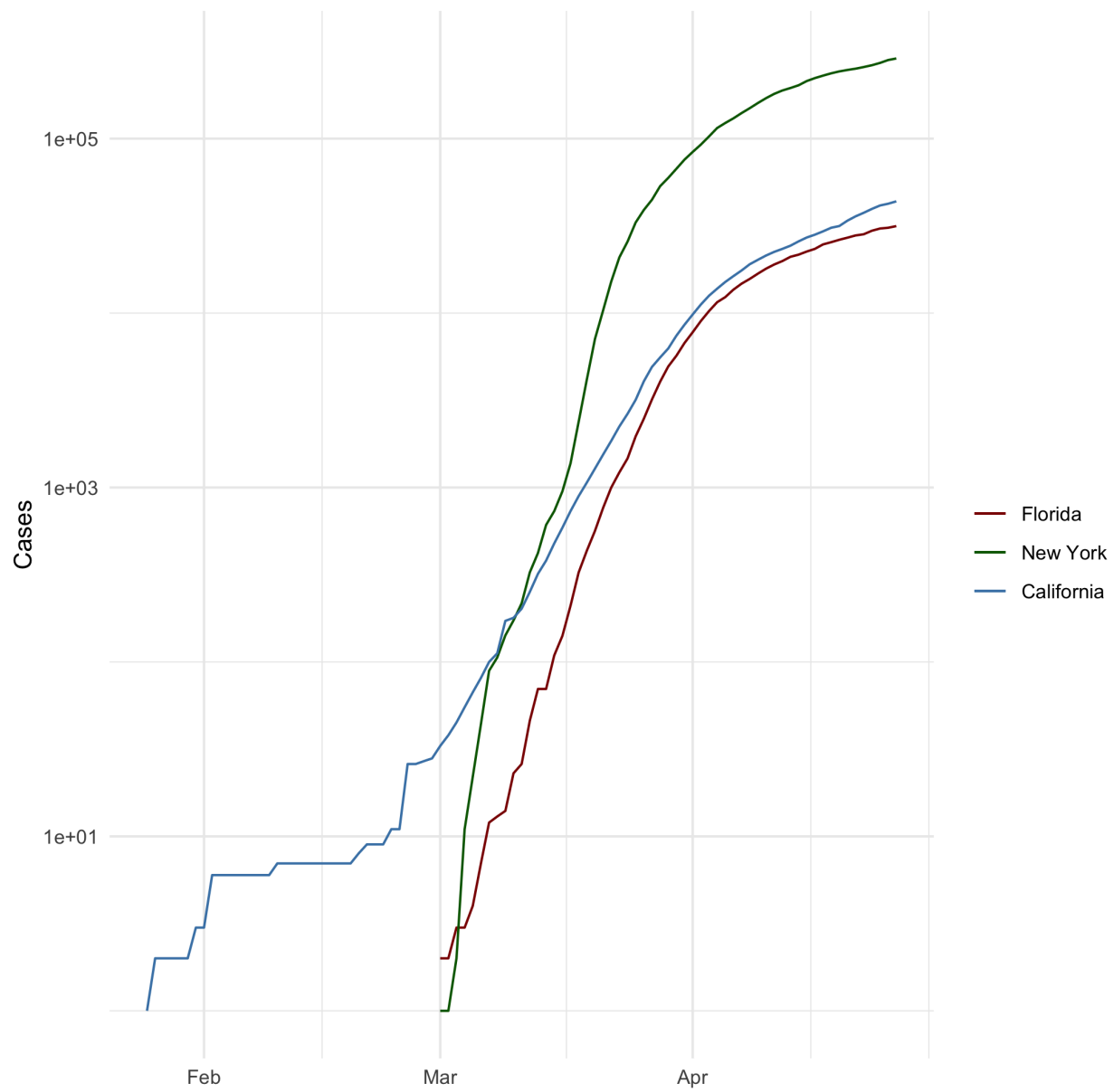
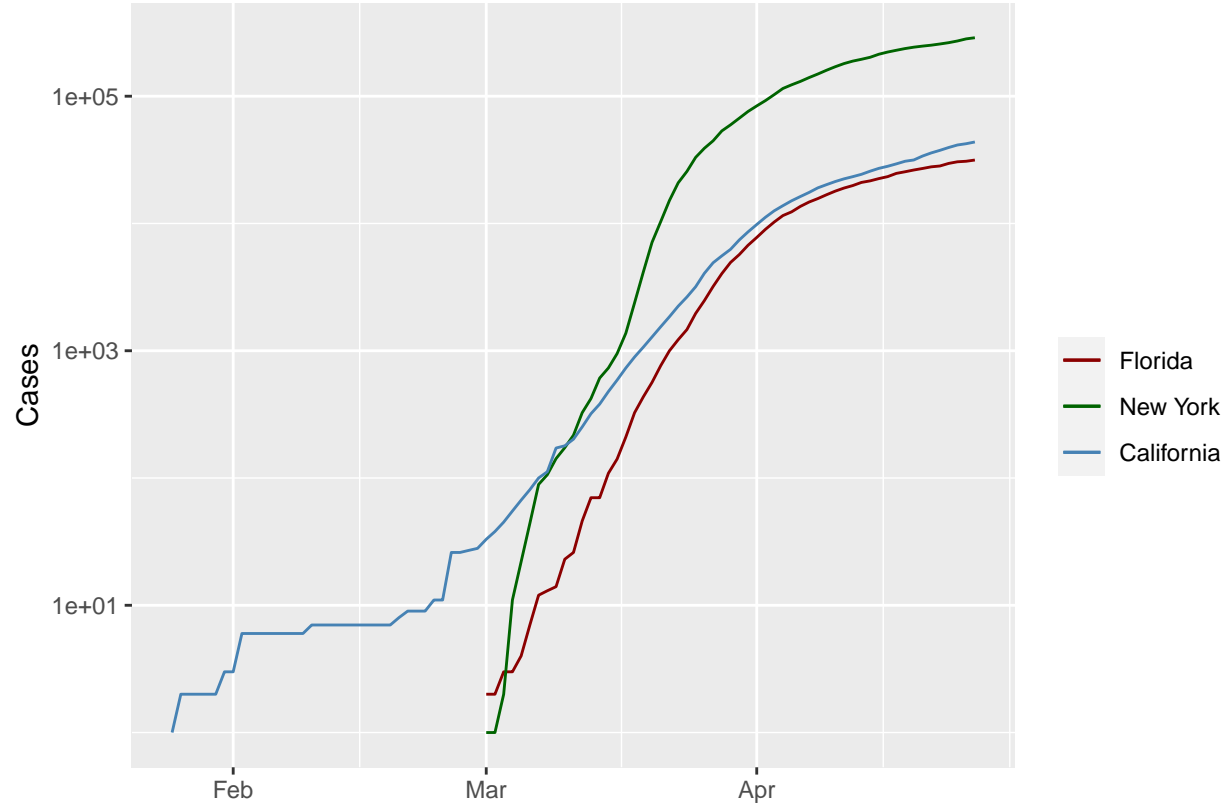
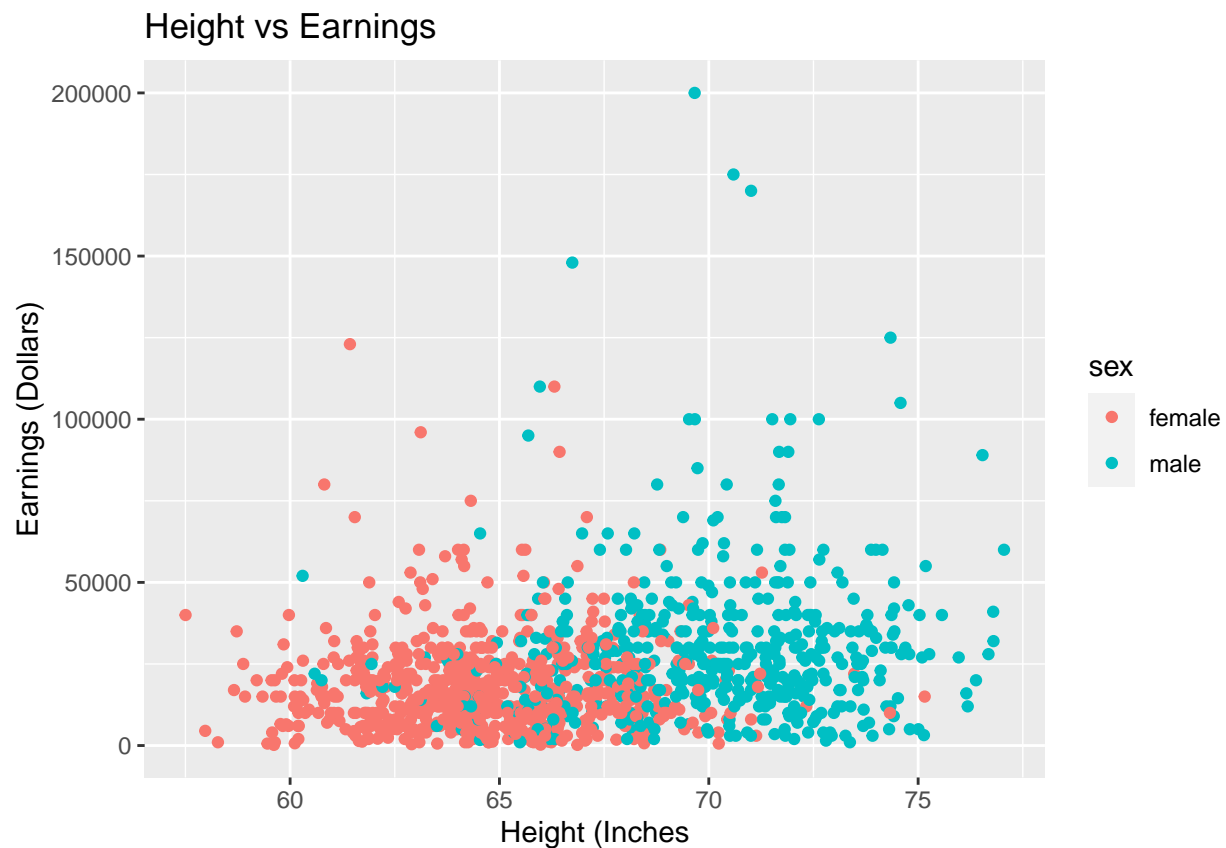


Figure 1: All Cases

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)
knitr::kable(characters_df, col.names = c("Name", "Race", "In Fellowship?", "Is Ring Bearer?", "Age"), caption = "Table 1: One Ring to Rule Them All.")
```

Table 1: One Ring to Rule Them All.

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

Name	Race	In Fellowship?	Is Ring Bearer?	Age
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

```
##
##
## +-----+-----+-----+-----+-----+
## |  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  |
## +-----+-----+-----+-----+-----+
## | Gandalf  |  Maia  |      TRUE     |      TRUE    | 2019 |
## +-----+-----+-----+-----+-----+
## | Legolas  |  Elf   |      TRUE     |      FALSE   | 2931 |
## +-----+-----+-----+-----+-----+
## |  Sauron  |  Maia  |      FALSE    |      TRUE    | 7052 |
## +-----+-----+-----+-----+-----+
## |  Gollum  | Hobbit |      FALSE    |      TRUE    |  589 |
## +-----+-----+-----+-----+-----+
```

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>.