ASSIGNMENT 4

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Markdown Basics

Favorite Foods

1. Spaghetti
2. Shrimp Pasta
3. Fried Chicken

Images

Add a Quote

> "I'll be back"

Add an Equation

$$2 + 2 = 4$$

Add a Footnote

This is a footnote[^1]

Add Citations

- R for Everyone
  - Lander, Jared P.. R for Everyone (Addison-Wesley Data & Analytics Series) (p. 346). Pearson Education. Kindle Edition.
- Discovering Statistics Using R
  - Field, Andy; Miles, Jeremy; Field, Zoe. Discovering Statistics Using R (p. 175). SAGE Publications. Kindle Edition.

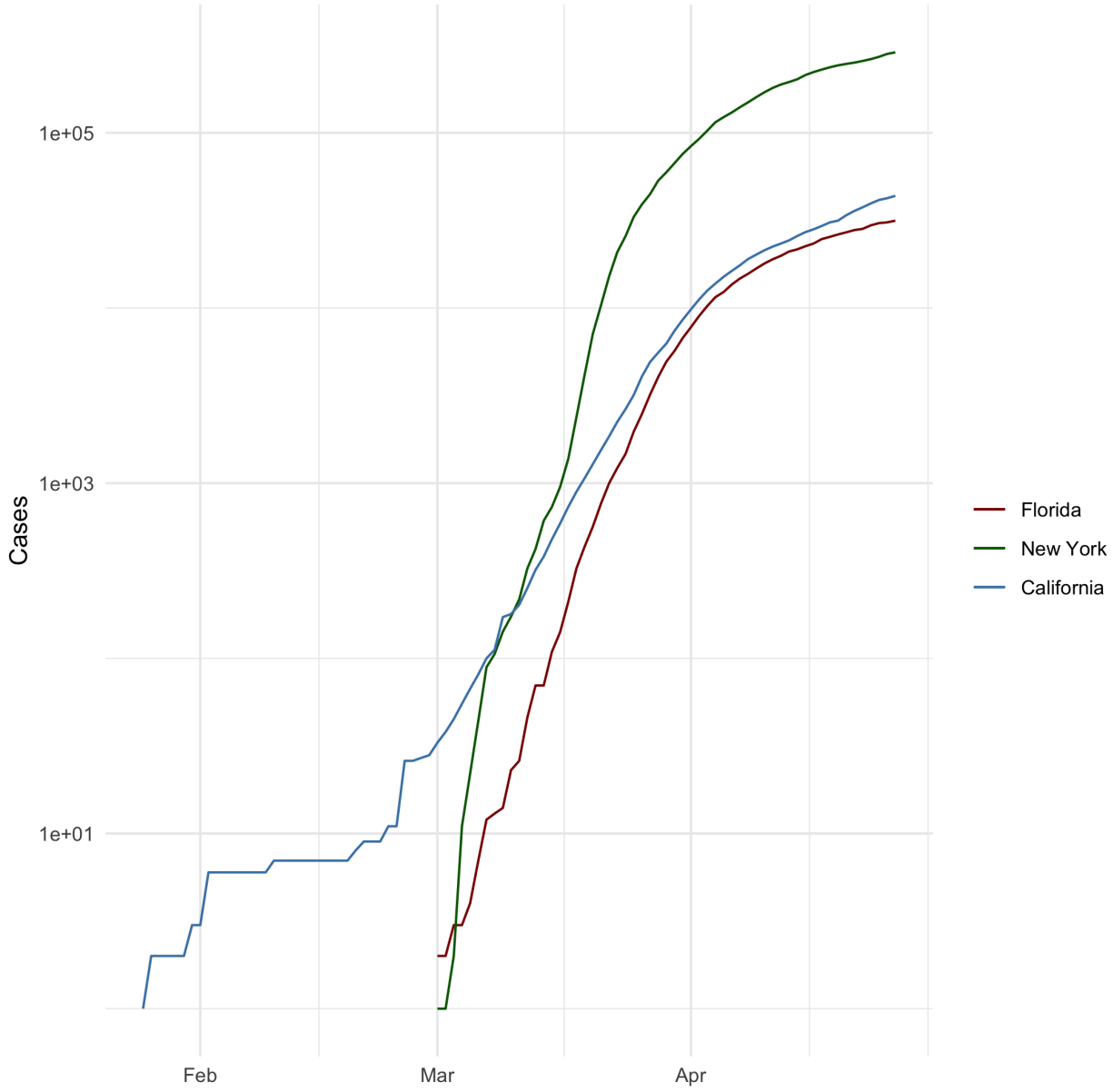
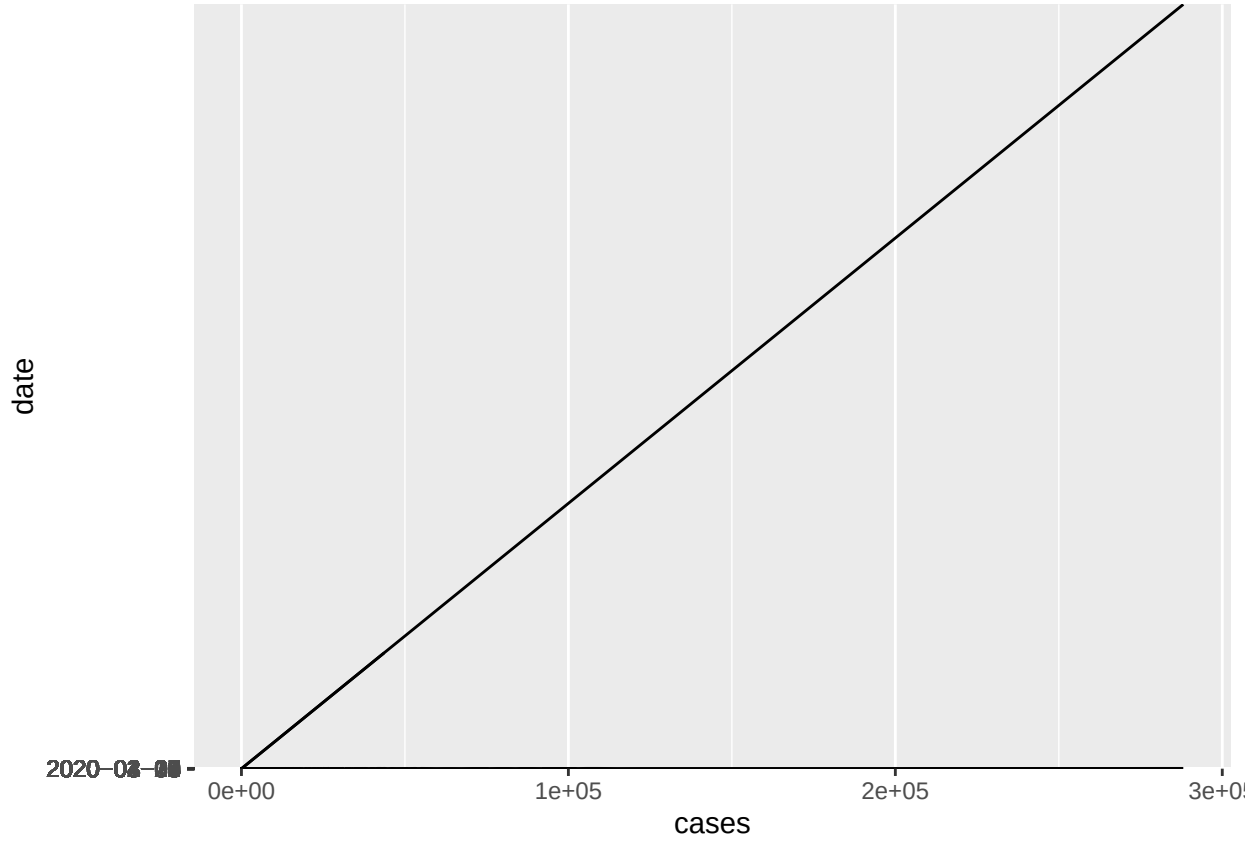


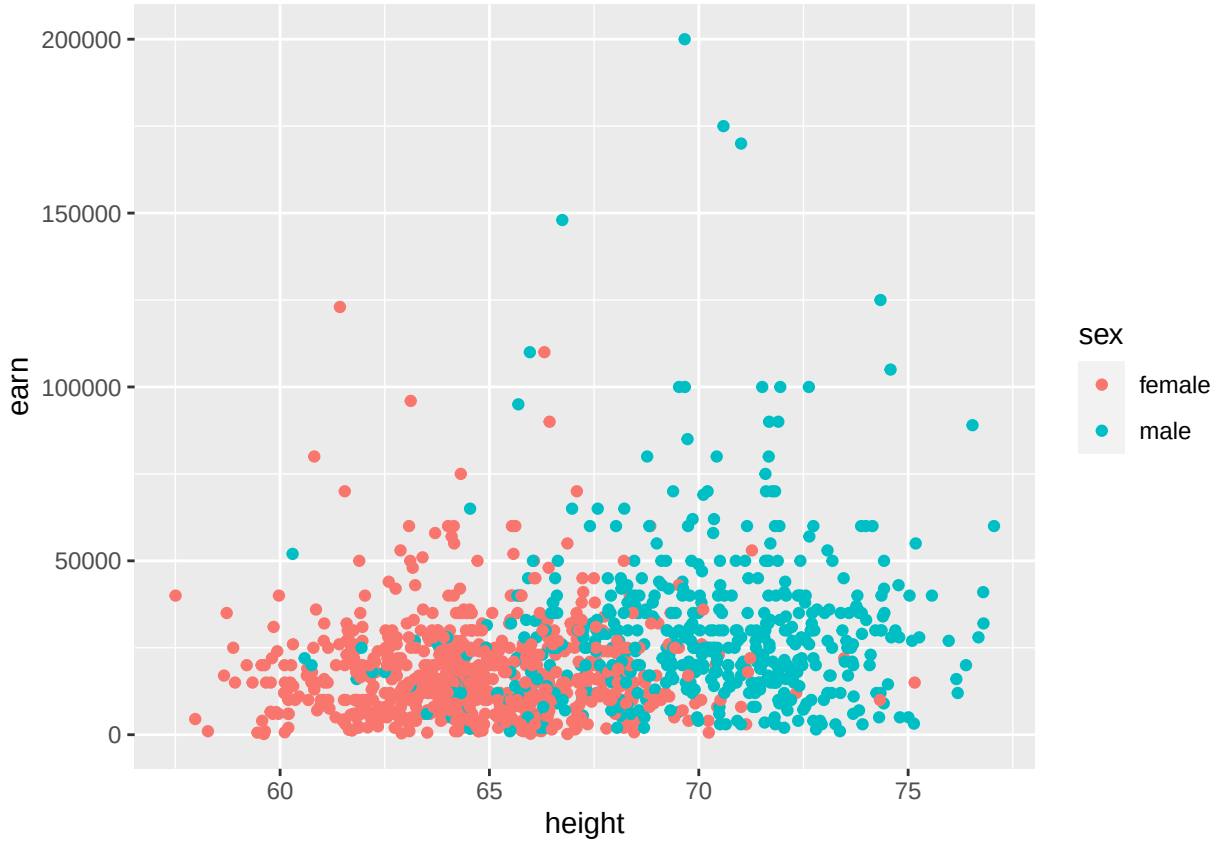
Figure 1: All Cases (Log Plot)

Inline Code

NY Times COVID-19 Data



R4DS Height vs Earnings



Tables

```
## Create a dataframe called characters_df using the following information from LOTR
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)

## Sorting the characters_df by age using the order function and assign the result to the sorted_charac
sorted_characters_df <- characters_df[order(age),]
## Use `head()` to output the first few rows of `sorted_characters_df`
head(sorted_characters_df)
```

```
##      name   race in_fellowship ring_bearer  age
## 5     Sam Hobbit          TRUE        TRUE   36
## 3   Frodo Hobbit          TRUE        TRUE   51
## 1  Aragon    Men          TRUE       FALSE   88
## 2   Bilbo Hobbit         FALSE        TRUE  129
```

```
## 9  Gollum Hobbit          FALSE         TRUE  589
## 6 Gandalf   Maia           TRUE         TRUE 2019
```

```
## Select all of the ring bearers from the dataframe and assign it to ringbearers_df
ringbearers_df <- characters_df[characters_df$ring_bearer == TRUE,]
## Use `head()` to output the first few rows of `ringbearers_df`
head(ringbearers_df)
```

```
##      name   race in_fellowship ring_bearer  age
## 2   Bilbo Hobbit          FALSE         TRUE  129
## 3   Frodo Hobbit           TRUE         TRUE   51
## 5     Sam Hobbit           TRUE         TRUE   36
## 6 Gandalf   Maia           TRUE         TRUE 2019
## 8  Sauron   Maia          FALSE         TRUE 7052
## 9  Gollum Hobbit          FALSE         TRUE  589
```

Knitr Table with Kable

```
knitr::kable(characters_df, 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
Gandalf	Maia	TRUE	TRUE	2019
Legolas	Elf	TRUE	FALSE	2931
Sauron	Maia	FALSE	TRUE	7052
Gollum	Hobbit	FALSE	TRUE	589

Pandoc Table

pandoc -s -o output.html characters_df | Name | Race | In Fellowship? | Is Ring Bearer? | Age | |———|———|————-|————|——-:| | 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