ASSIGNMENT 4

Sashidhar Bezawada

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Markdown Basics

Favorite Foods

1. Pizza
2. Breakfast skillets
3. French Fries

Images

Add a Quote

> "Happiness can be found even in the darkest of times, if one only remembers to turn on the light."
>
> — Dumbledore

Add an Equation

$$E = mc^2$$

Add a Footnote

[1].

Add Citations

- R for Everyone
- Discovering Statistics Using R

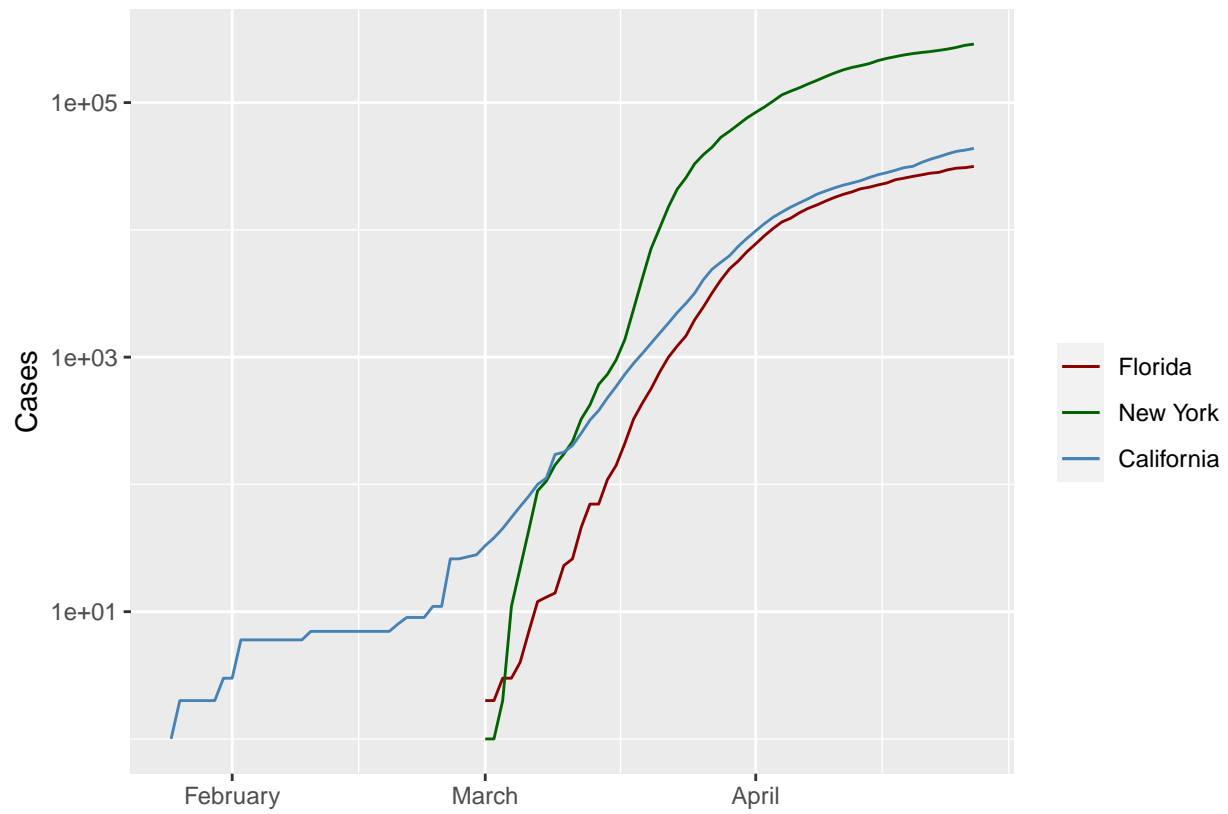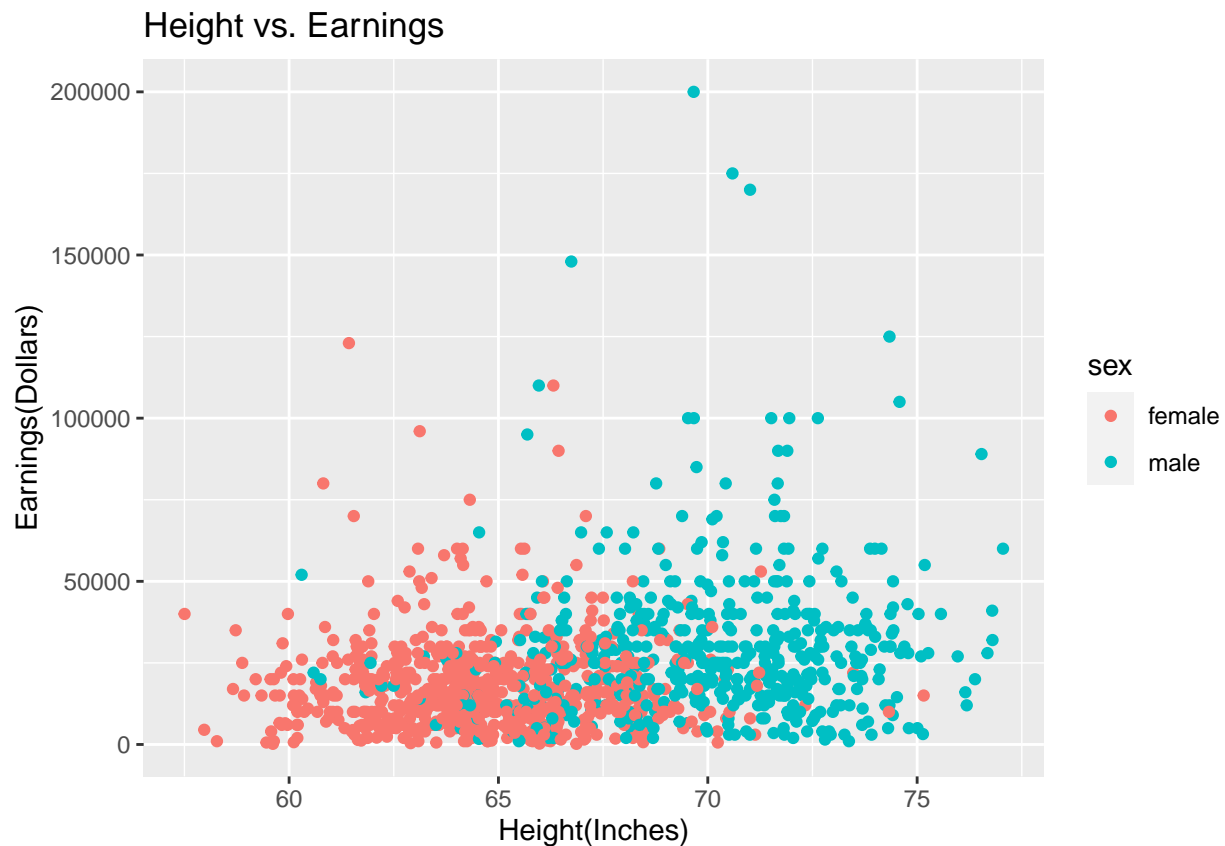(Lander 2014; Field, Miles, and Field 2012)

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[1] This is a footnote.

Figure 1: All Cases (Log Plot)

Inline Code

NY Times COVID-19 Data

R4DS Height vs Earnings

Height vs. Earnings

Tables

Knitr Table with Kable

```r
## 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)

#Creation of table using knitr::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

```r
#install.packages('pander')
#install.packages('Rcpp')
colnames(characters_df) <- c("Name","Race","In Fellowship?","Is Ring Bearer?","Age")
characters_df$`In Fellowship?` <- ifelse(characters_df$`In Fellowship?`=='TRUE','Yes','No')
characters_df$`Is Ring Bearer?` <- ifelse(characters_df$`Is Ring Bearer?`=='TRUE','Yes','No')
pandoc.table(head(characters_df,5),style="grid")
```

```
##
##
## +-----------+--------+----------------+-----------------+------+
## |   Name    |  Race  | In Fellowship? | Is Ring Bearer? | Age  |
## +===========+========+================+=================+======+
## |  Aragon   |  Men   |      Yes       |       No        |  88  |
## +-----------+--------+----------------+-----------------+------+
## |   Bilbo   | Hobbit |       No       |       Yes       | 129  |
## +-----------+--------+----------------+-----------------+------+
## |   Frodo   | Hobbit |      Yes       |       Yes       |  51  |
## +-----------+--------+----------------+-----------------+------+
## | Galadriel |  Elf   |       No       |       No        | 7000 |
## +-----------+--------+----------------+-----------------+------+
## |    Sam    | Hobbit |      Yes       |       Yes       |  36  |
## +-----------+--------+----------------+-----------------+------+
```

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.