Week 6 - RMD creation

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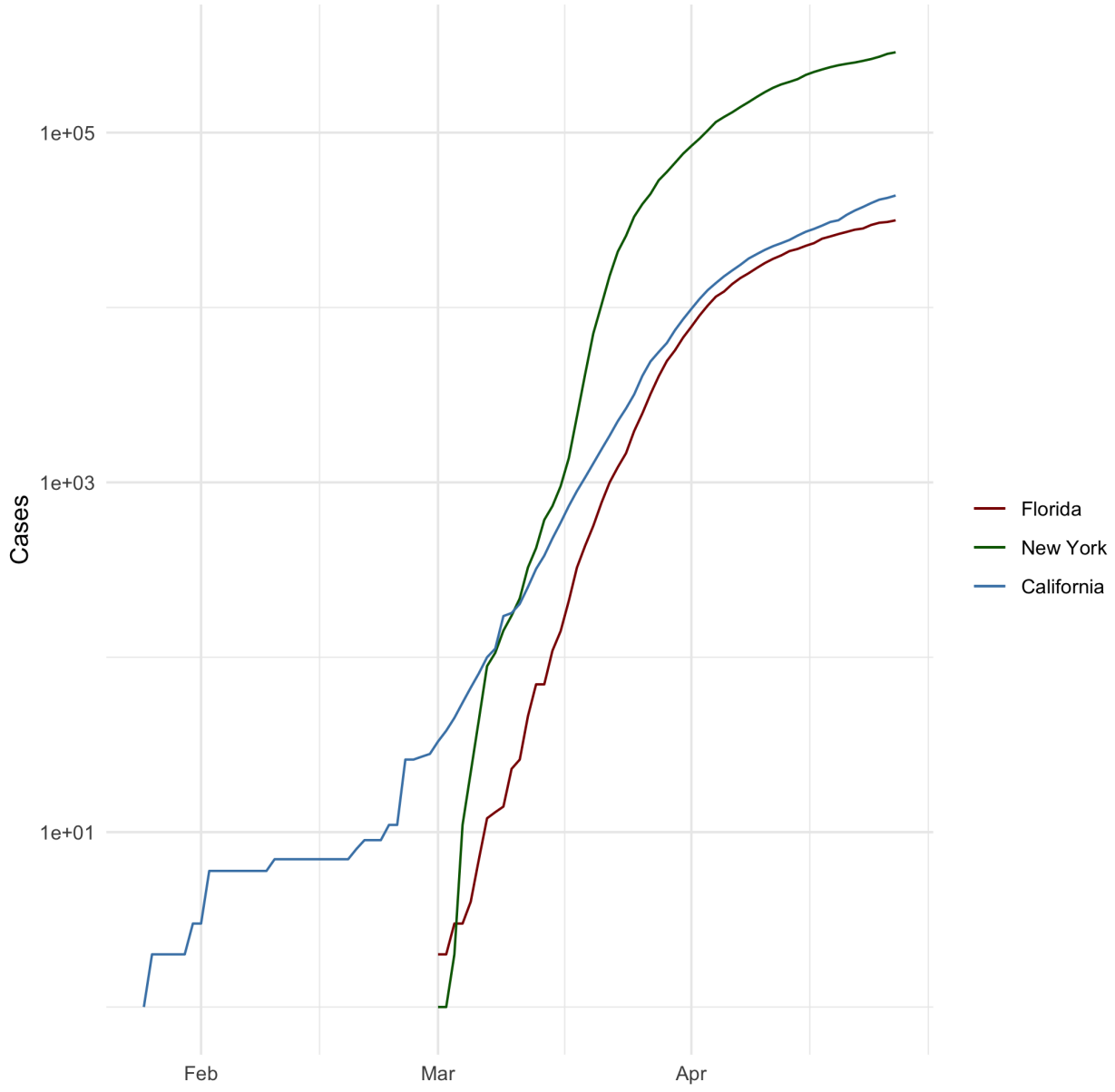
Markdown Basics

Favorite Foods

1. Salads
2. Pizza
3. IceCream

Images



Img:

Add a Quote

> The journey of a thousand miles begins with one step.
> Act as if what you do makes a difference. It does.
> The way to get started is to quit talking and begin doing.

Add an Equation

$$(a - b)^2 = a^2 + b^2 - 2ab$$

Add a Footnote

[1]

Add Citations

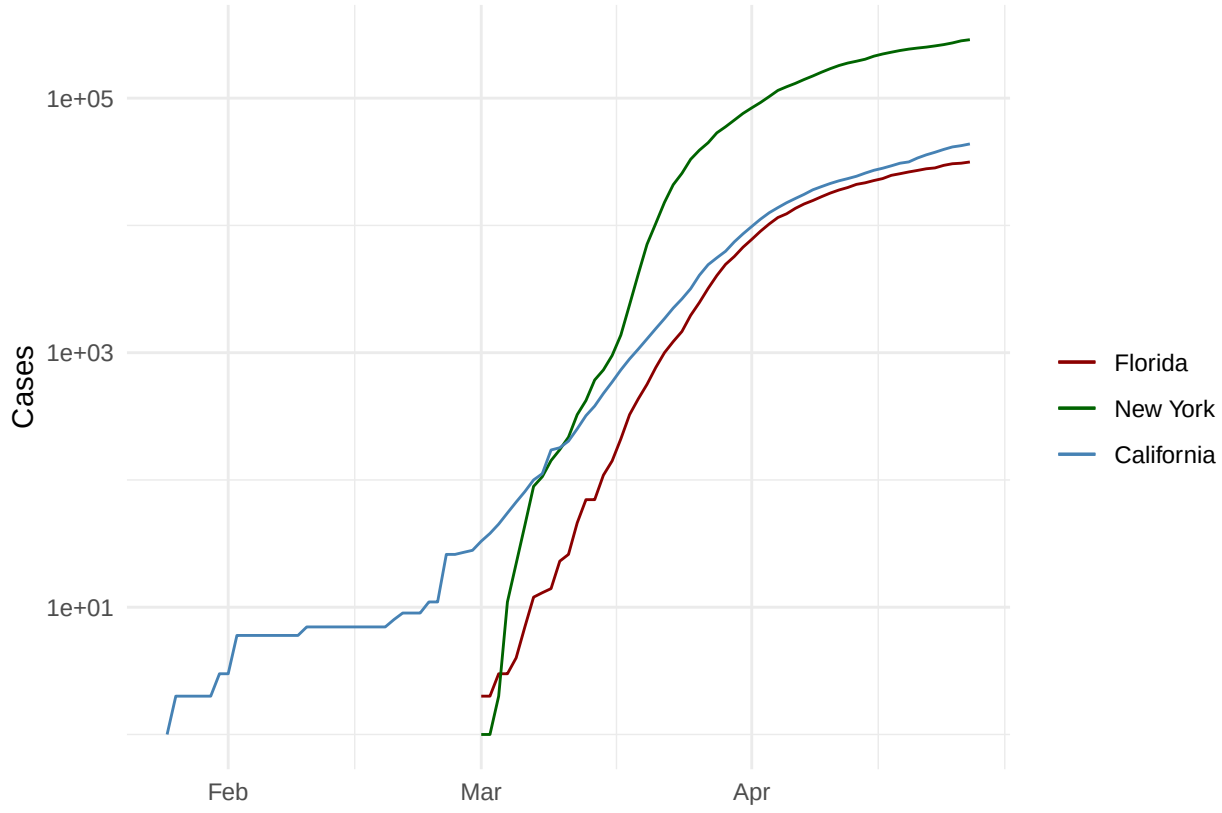
- R for Everyone: Advanced Analytics and Graphics(Lander 2014)
- Discovering Statistics Using R(Field, Miles, and Field 2012)

Inline Code

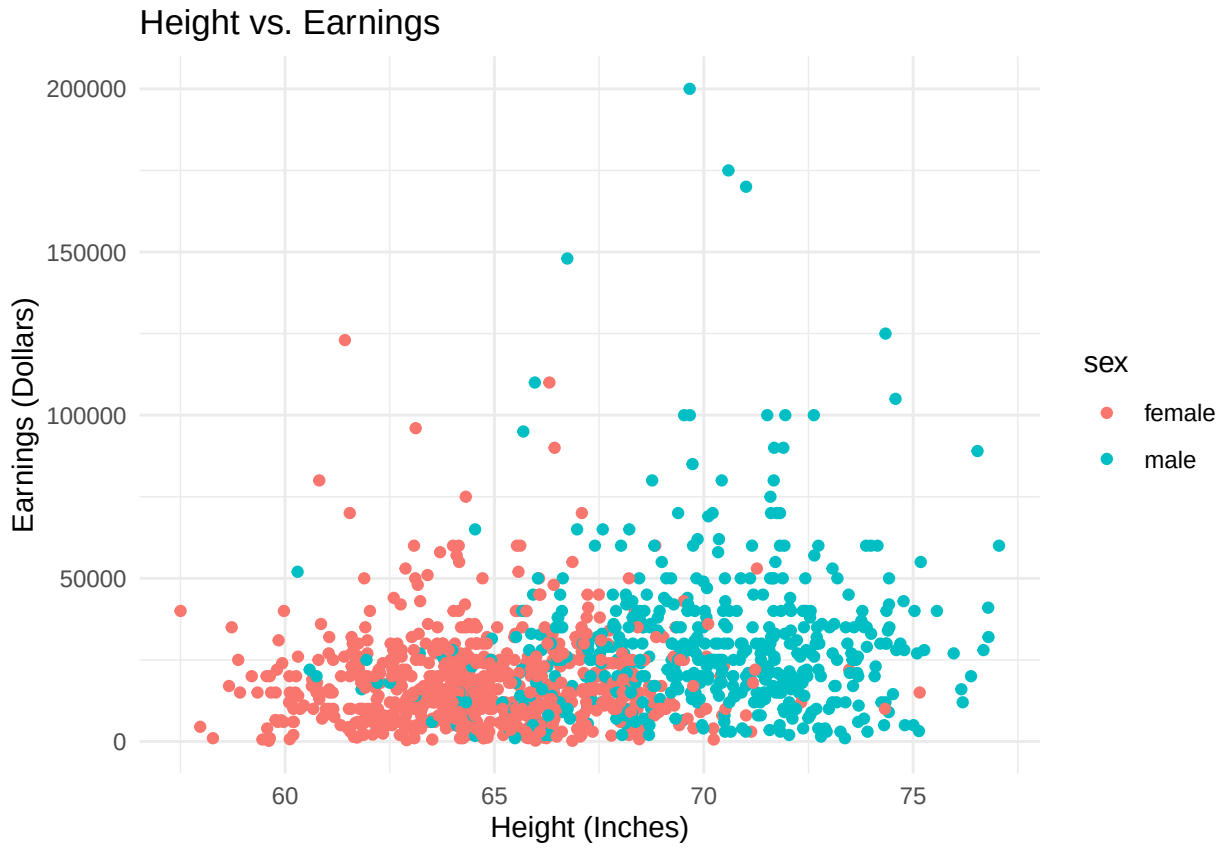
```
## Load the ggplot2 package
library(ggplot2)
theme_set(theme_minimal())
# Load the `data/r4ds/heights.csv` to
heights_df <- read.csv("C:/Masters/GitHub/Winter2022/Ramani-DSC520/data/r4ds/heights.csv")

# https://www.rdocumentation.org/packages/ggplot2/versions/3.3.0/topics/geom_path
# Load the file `"data/nytimes/covid-19-data/us-states.csv"` and
# assign it to the `covid_df` dataframe

covid_df <- read.csv("C:/Masters/GitHub/Winter2022/Ramani-DSC520/data/nytimes/covid-19-data/us-states.cs

# Parse the date column using `as.Date()``
covid_df$date <- as.Date(covid_df$date)

# Create three dataframes named `california_df`, `ny_df`, and `florida_df`
# containing the data from California, New York, and Florida
california_df <- covid_df[ which( covid_df$state == "California"), ]
ny_df <- covid_df[ which( covid_df$state == "New York"), ]
florida_df <- covid_df[ which( covid_df$state == "Florida"), ]
```

[1] My first footnote

NY Times COVID-19 Data



R4DS Height vs Earnings



Tables

Knitr Table with Kable

```
library(knitr)
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 Grid Table

```
##
##
## +-----------+--------+----------------+-----------------+------+
## |   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  |
## +-----------+--------+----------------+-----------------+------+
## |  Gandalf  |  Maia  |      Yes       |       Yes       | 2019 |
## +-----------+--------+----------------+-----------------+------+
## |  Legolas  |  Elf   |      Yes       |       No        | 2931 |
## +-----------+--------+----------------+-----------------+------+
## |  Sauron   |  Maia  |       No       |       Yes       | 7052 |
## +-----------+--------+----------------+-----------------+------+
## |  Gollum   | Hobbit |       No       |       Yes       | 589  |
## +-----------+--------+----------------+-----------------+------+
##
## Table: One Ring to Rule Them All
```

FootNote

[2]

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.

[2] This is the end of assignment 4