ASSIGNMENT 4

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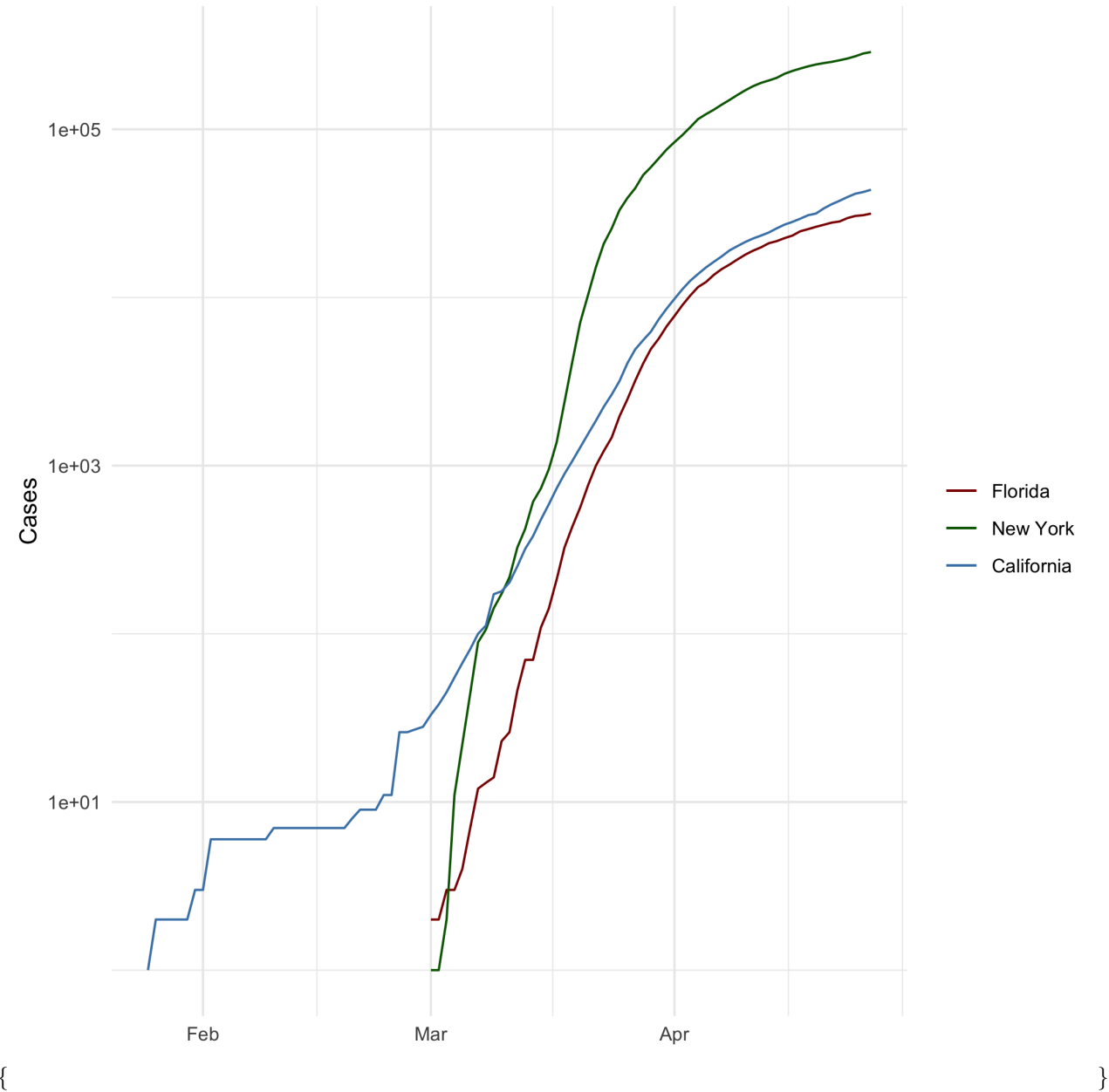
2022-04-23

Markdown Basics

Favorite Foods

1. Chicken Biryani
2. Fried Fish
3. Chicken Shawarma

Images

{ }

Add a Quote

"You are what you believe in. You become that which you believe you can become" — Bhagavad Gita

Add an Equation

$$f(x) = \beta_0 + \beta_1 x + \beta_2 x^2 + \beta_3 x^3 + \beta_4 (x - \xi)_+^3$$

$$(x - \xi)_+^3 = \begin{cases} (x - \xi)^3, & x > \xi \\ 0, & x \leq \xi \end{cases}$$

$$(x \leq \xi) \Rightarrow f(x) = \beta_0 + \beta_1 x + \beta_2 x^2 + \beta_3 x^3$$
$$(x > \xi) \Rightarrow f(x) = \beta_0 + \beta_1 x + \beta_2 x^2 + \beta_3 x^3 + \beta_4(x^3 - 3x^2\xi + 3x\xi^2 - \xi^3)$$
$$= (\beta_0 + \beta_4\xi^3) + (\beta_1 + 3\beta_4\xi^2)x + (\beta_2 - 3\beta_4)$$
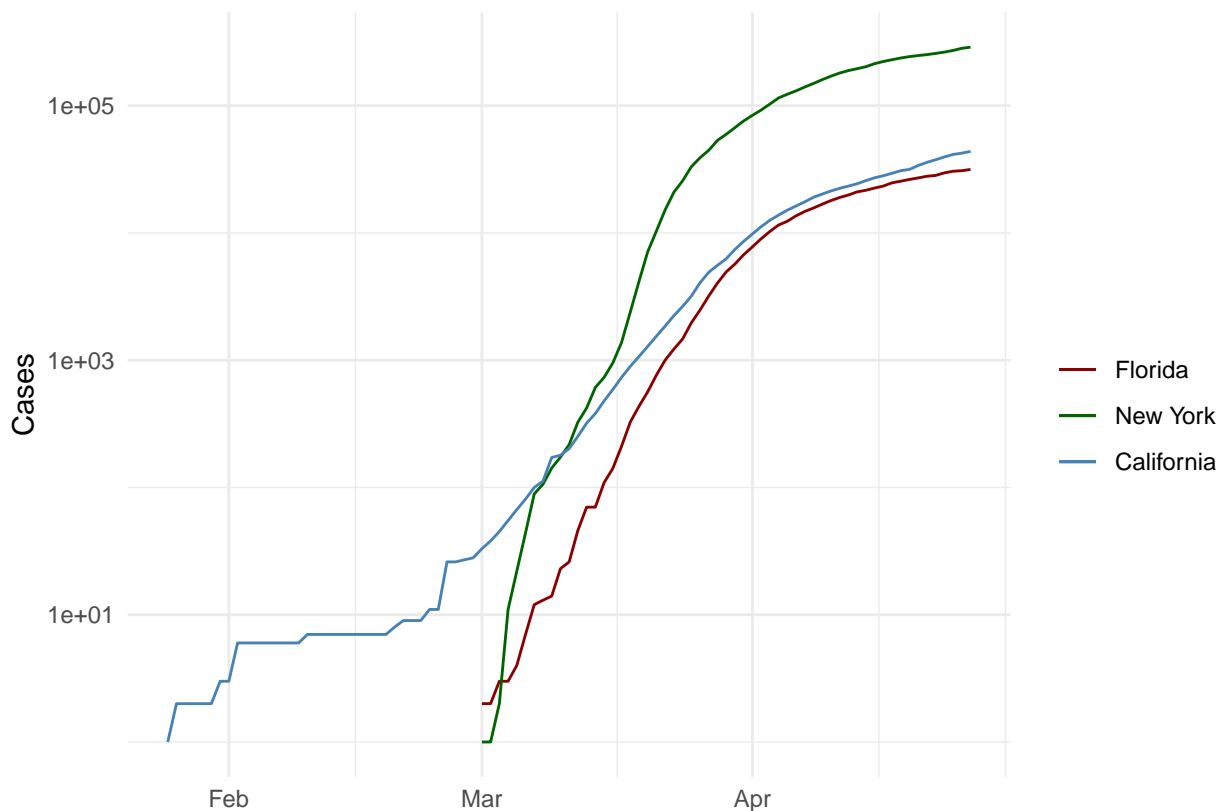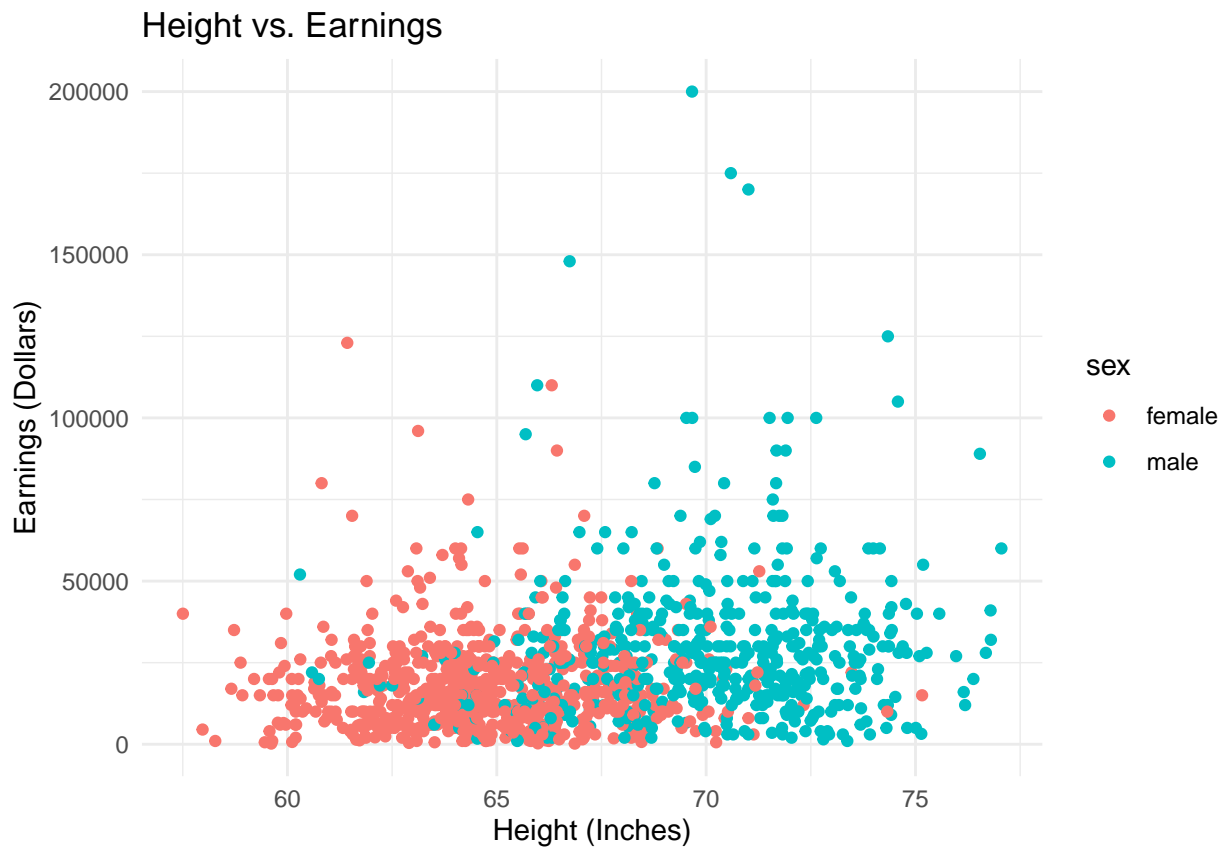
Add a Footnote

Learning R Markdown

Add Citations

- R for Everyone
- Discovering Statistics Using R

Inline Code

NY Times COVID-19 Data

R4DS Height vs Earnings

Height vs. Earnings

Tables

Knitr Table with Kable

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

```
##
## --------------------------------------------------------
##    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