

ASSIGNMENT 4

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Markdown Basics

My Favorite Cuisines

1. Mexican : (Enchiladas, Tacos, Tamales, Tortas)
2. Thai : (Pad Kee Mao, Pad Thai, Pad See Ew, Satay Gai, Kao Pad)
3. Mediterranean : (Hummus, Baba Ganoush, Dolmas, Tabouli, Falafel, Spanakopita)

Logarithmic Graph of Covid-19 Cases - Florida, New York, and California (February-April)

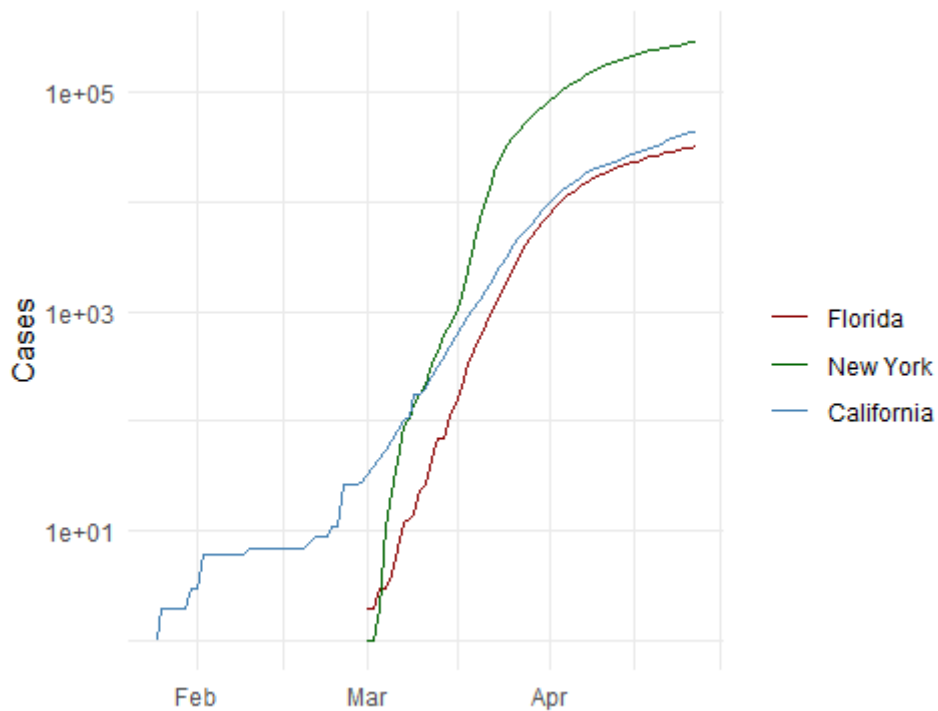


Figure 1: All Cases (Log Plot)

One of my favorite Yogiisms

“When you come to a fork in the road, take it.” - Yogi Berra

Prime Number Theorem:

The number of primes in the first N numbers approaches N divided by the logarithm of N for sufficiently large N .

$$\pi(N) \sim \frac{N}{\ln(N)}$$

In other words, the probability of finding a prime in the first N numbers, for large N , is close to the reciprocal of the logarithm of N .

A note about the above equation.

I actually did my undergraduate thesis on the Prime Number Theorem¹

Citations for Course Textbooks

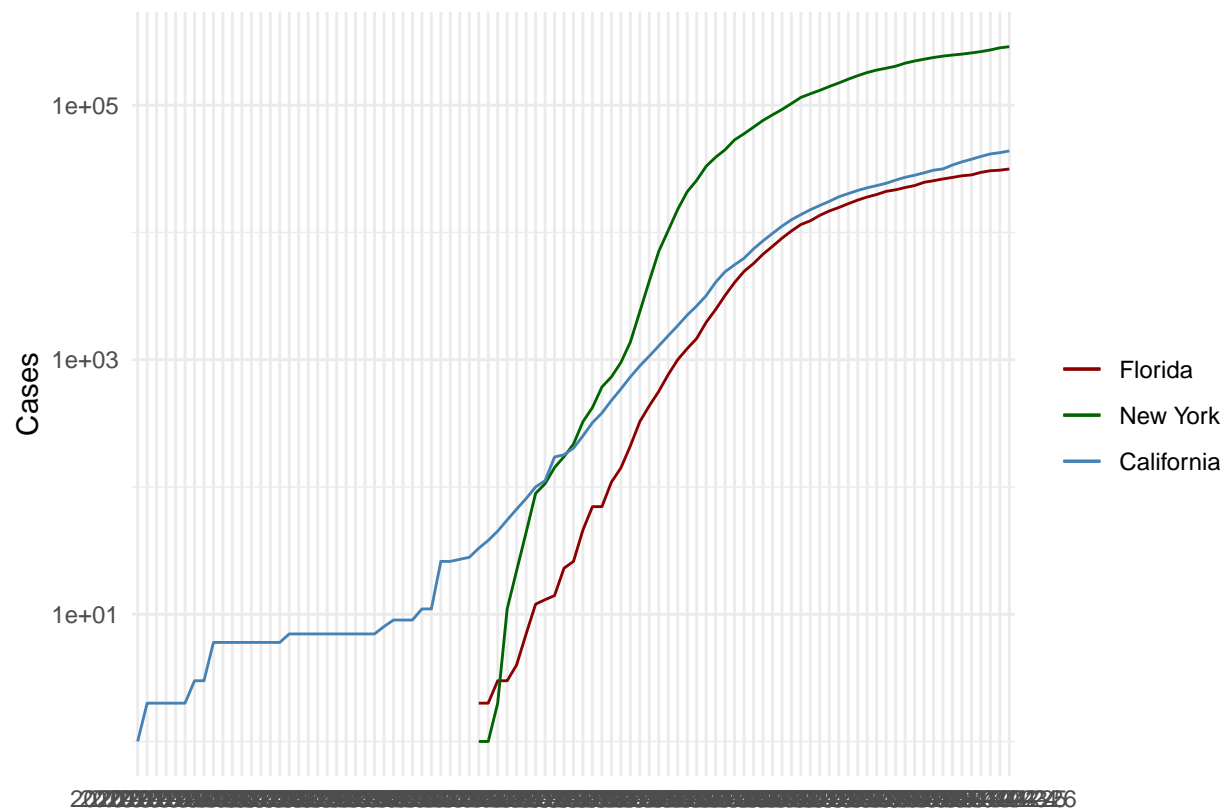
- Lander (2014)
- Field et al. (2012)

Code Chunks

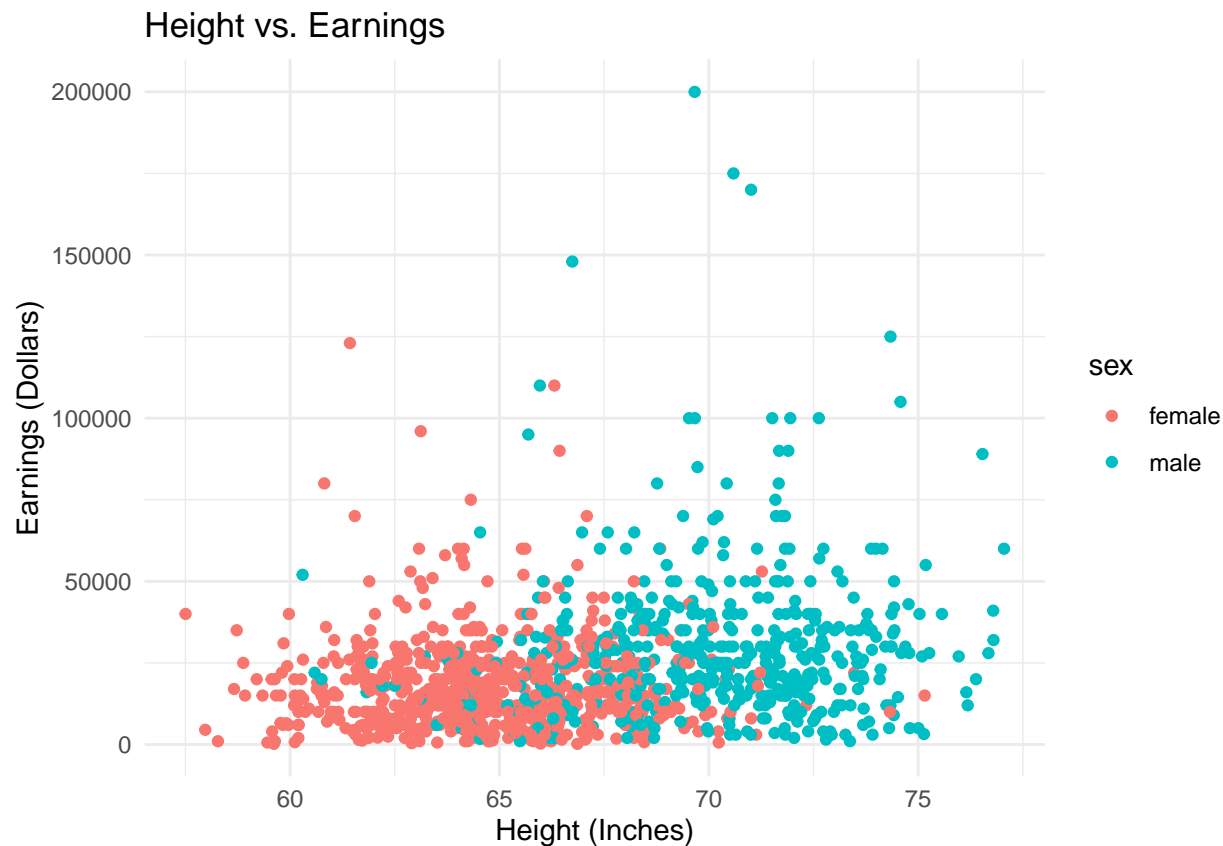
This code chunk operating invisibly (behind-the-scenes) is loading in the data for the next graph.

¹I don't have a copy unless I can get my old laptop to start working again.

NY Times COVID-19 Data



R4DS Height vs Earnings



Tables

Knitr Table with Kable

First, we will load the knitr package. Then we will load our data before proceeding to create a table using the `kable()` function.

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

Table 2: (Simple Table) Lord of the Rings' Characters Minus Elves and Gollum (Sorry Smeagol)

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

Table 3: (Grid Table) Lord of the Rings' Characters Minus Elves and Gollum (Sorry Smeagol)

Name	Race	In Fellowship?	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

- Field, A., Miles, J., & Field, Z. (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. <https://books.google.com/books?id=3eBVAgAAQBAJ>