ASSIGNMENT 4

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Markdown Basics

Favorite Foods

1. Chicken
2. Pork
3. Egg

Images

Add a Quote

"Anyone who has never made a mistake has never tried anything new" - Albert Einstein

Add an Equation

###Standard Score

$P(A \mid B) = \frac{P(B|A)\ P(A)}{P(B)}$

Add a Footnote

Footnote for R Markdown exercise.[1]

Add Citations

- R for Everyone (Lander 2014).

- Discovering Statistics Using R (Field, Miles, and Field 2012).

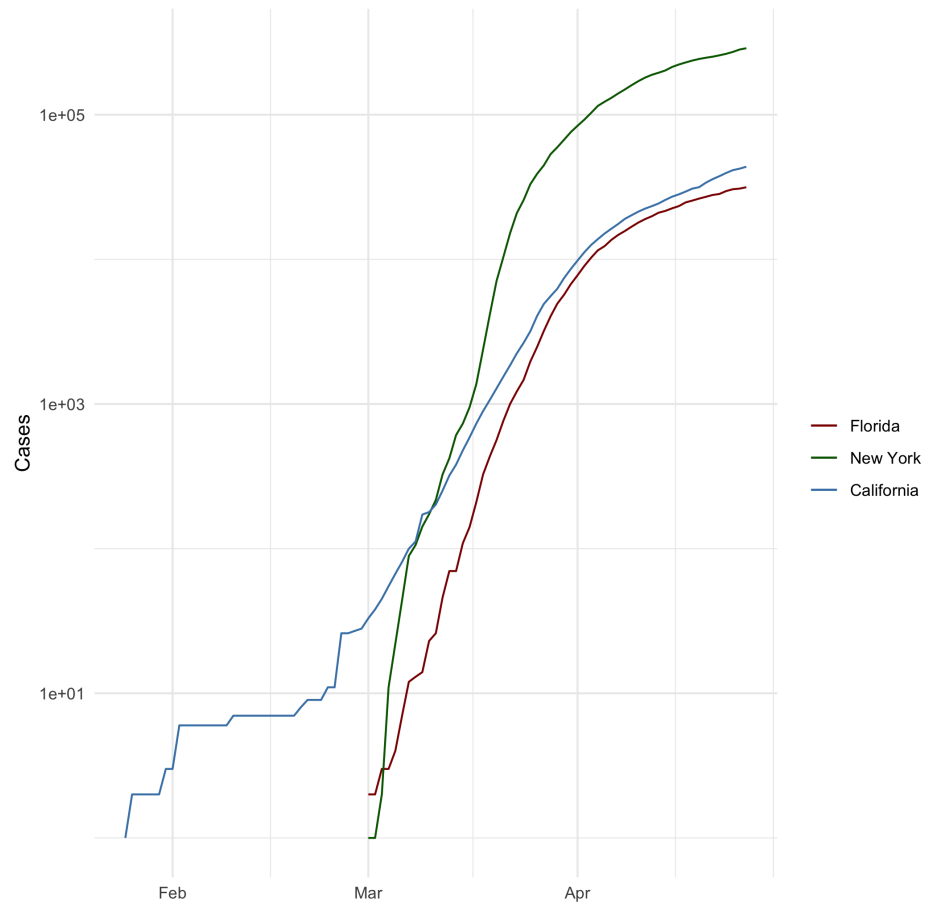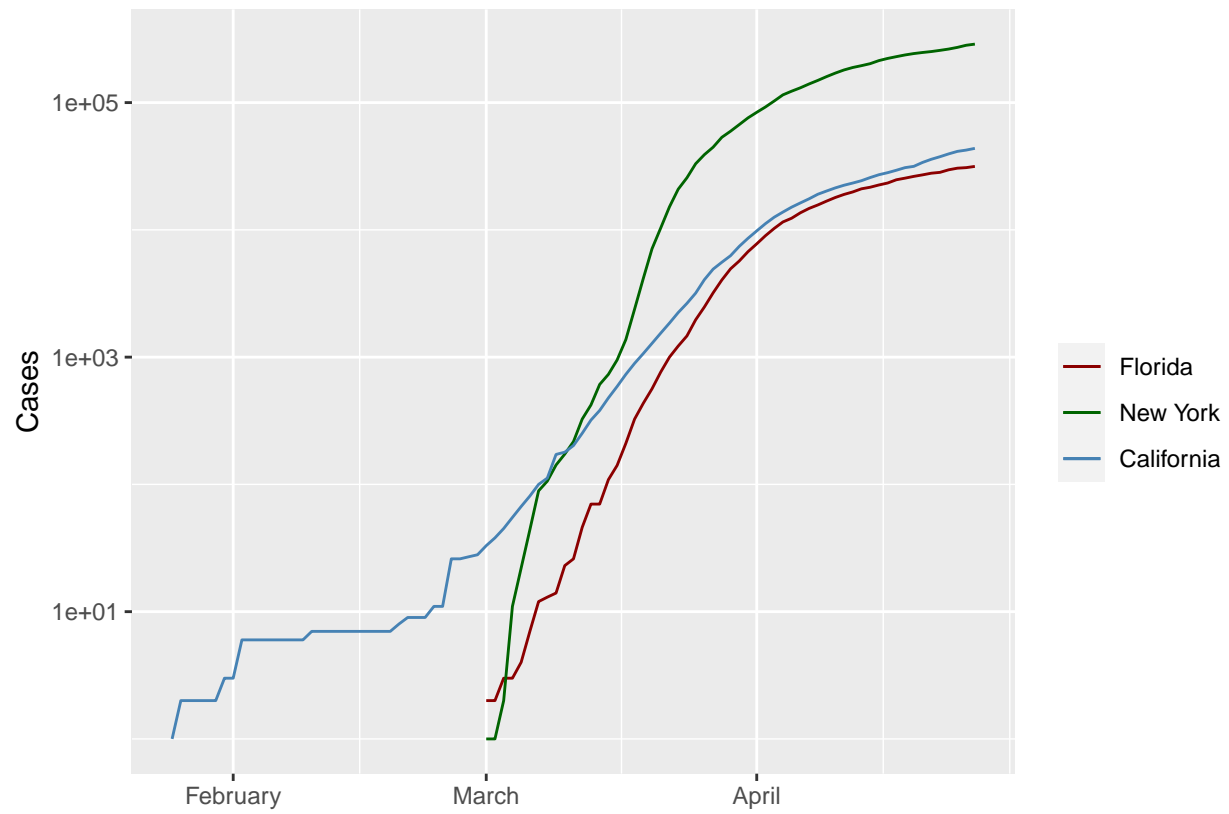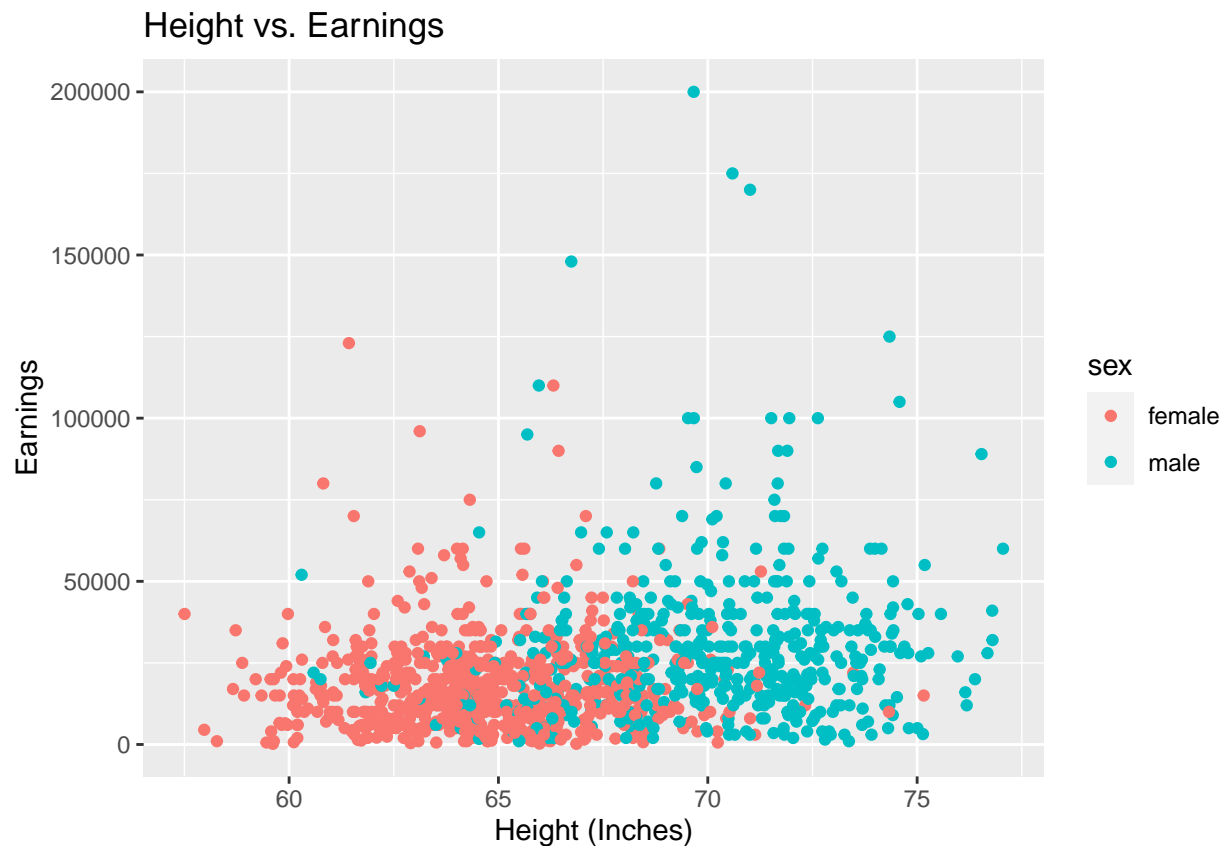[1] The footnote will appear at the bottom of the page.

Figure 1: All cases

Inline Code

NY Times COVID-19 Data

R4DS Height vs Earnings

Height vs. Earnings

Tables

```
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)
```

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 Table

```r
library(pander)

Name <- c("Aragon", "Bilbo", "Frodo", "Sam", "Sauron")
Race <- c("Men", "Hobbit", "Hobbit", "Hobbit", "Maia")
`In Fellowship` <- c("Yes", "No", "Yes", "Yes", "No")
`Is Ring Bearer` <- c("No", "Yes", "Yes", "Yes", "Yes")
Age <- c(88, 129, 51, 36, 7052)

pantable_df <- data.frame(Name, Race, `In Fellowship`, `Is Ring Bearer`, Age)

pandoc.table(pantable_df, 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  |
## +--------+--------+---------------+----------------+------+
## |  Sam   | Hobbit |      Yes      |      Yes       |  36  |
## +--------+--------+---------------+----------------+------+
## | Sauron |  Maia  |      No       |      Yes       | 7052 |
## +--------+--------+---------------+----------------+------+
```

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.