

# ASSIGNMENT 4

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## Markdown Basics

### Favorite Foods

- 1) Beef Steak
- 2) Fish
- 3) Sourdough Bread ## Images All Cases (Log Plot) ## Add a Quote > “Out of all the things I have lost, I miss my mind the most.” – Mark Twain

### Add an Equation

$$\frac{1 + \sqrt{5}}{2}$$

## Add a Footnote

This is a footnote<sup>1</sup>.

### Add Citations

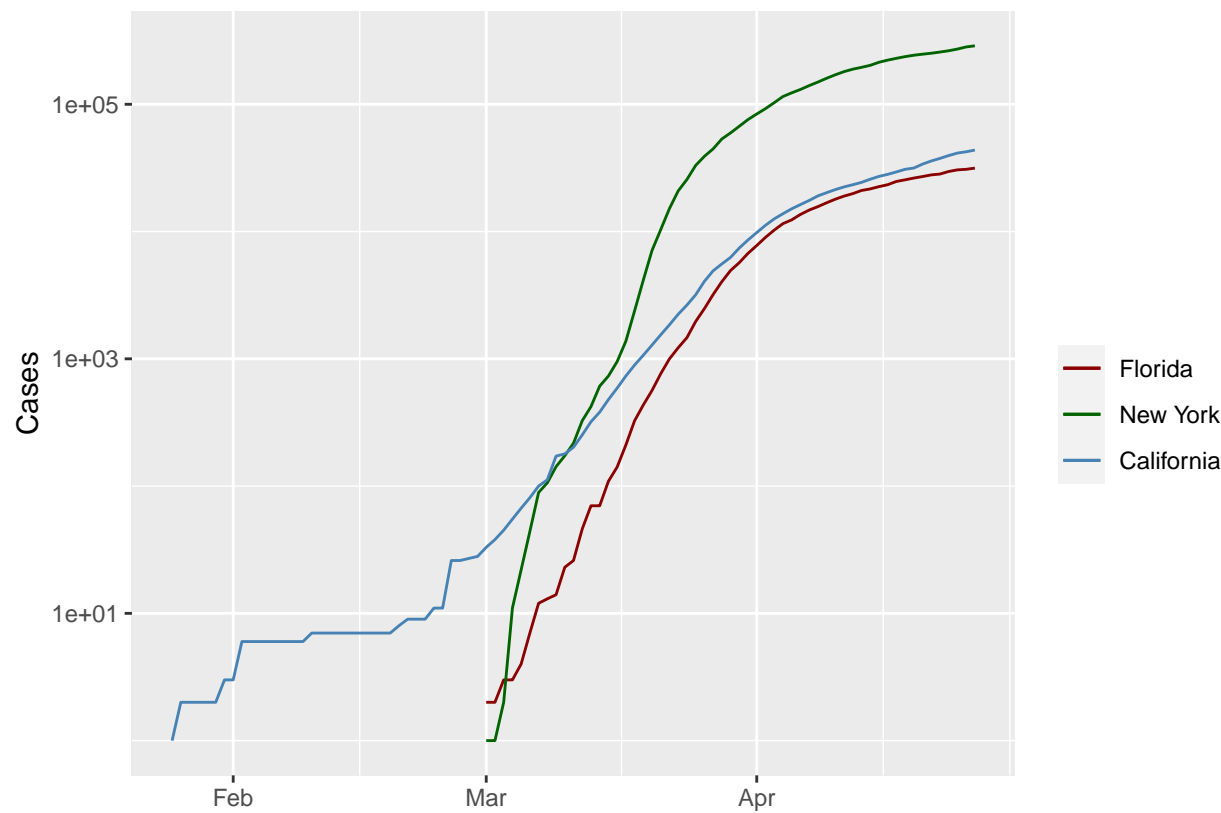
- R for Everyone (Lander (2014))
- Discovering Statistics Using R (Field, Miles, and Field (2012))

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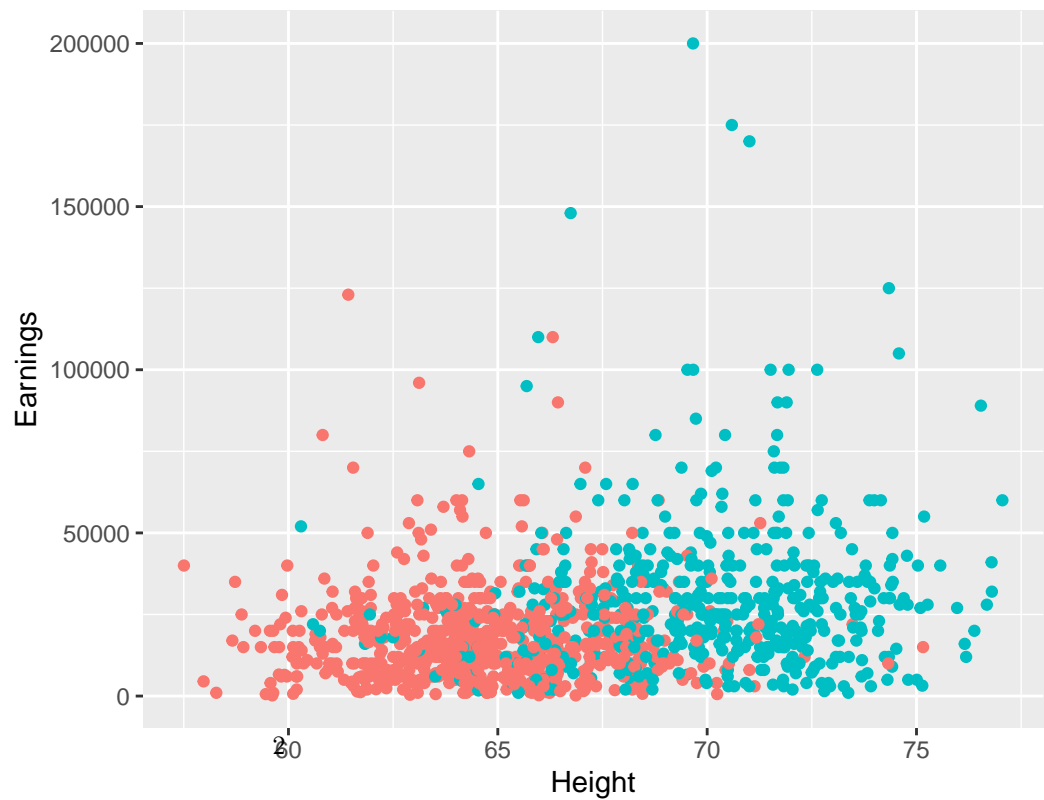
<sup>1</sup>This is the above footnote description.

Inline Code

NY Times COVID-19 Data



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(stringr)
knitr::kable(characters_df, caption = 'One Ring to Rule Them All',
  , col.names = str_to_title(gsub("_", " ", names(characters_df))))
```

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

```
library(pander)
pandoc.table(characters_df, style = 'rmarkdown')
```

```
##
##
## | 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 |
```

*# I'm not sure if this is the right way to do this, but it works!*

## 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>.