

# ASSIGNMENT 04

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## Assignment 4 - Instructions

### Tasks

#### YAML Metadata

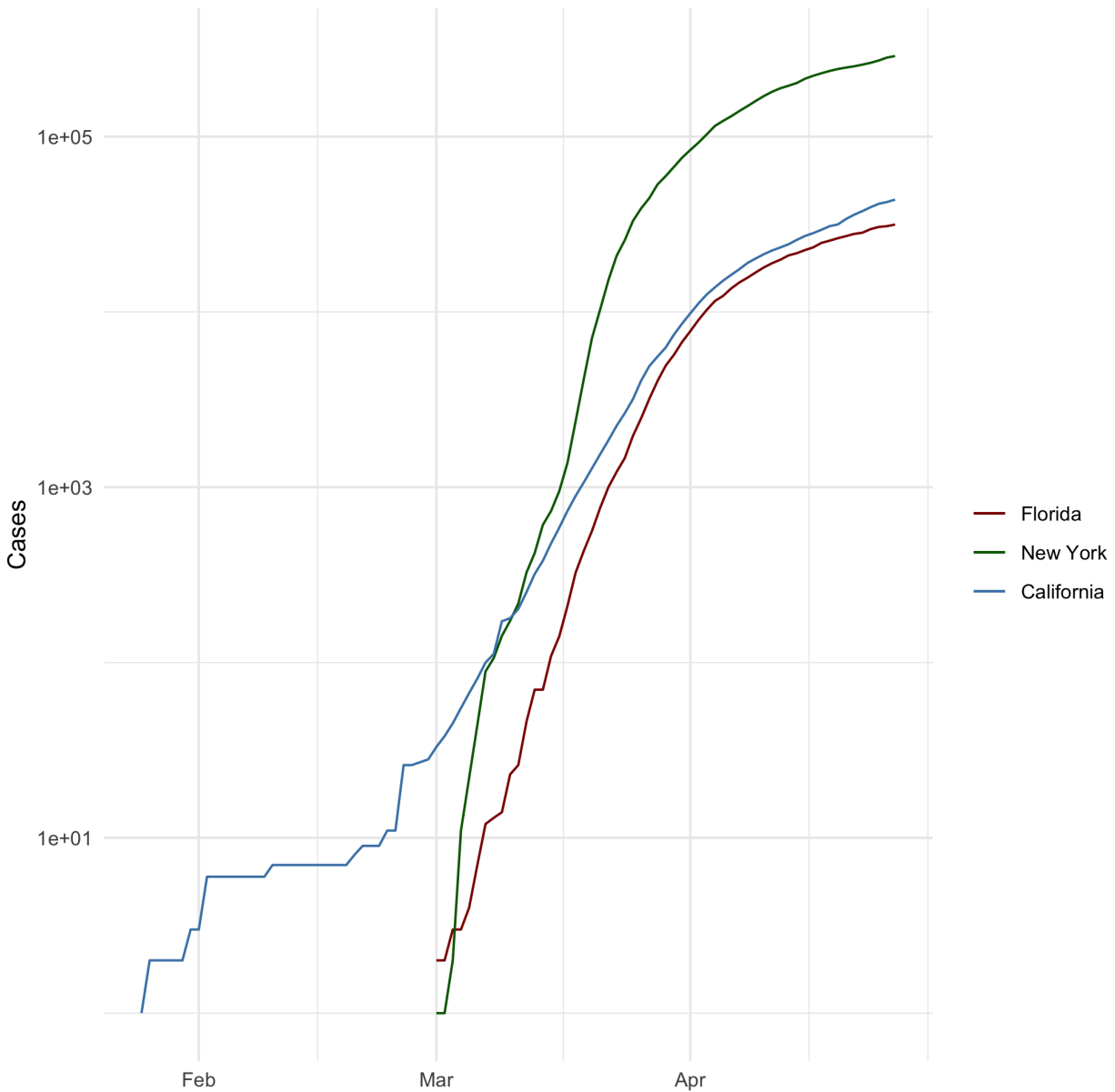
- ☐ Update the YAML metadata in the template to include your name and the current date.

## Markdown Basics

### Favorite Foods

1. Scalloped potatoes
2. Milk chocolate rum balls
3. Anise flavored oatmeal

## Images



{ }

## Add a Quote

In an argument with your spouse, the first one to say “I’m sorry, you’re right” wins!

## Add an Equation

$$y = \frac{2\sqrt{x}}{3x}$$

## Add a Footnote

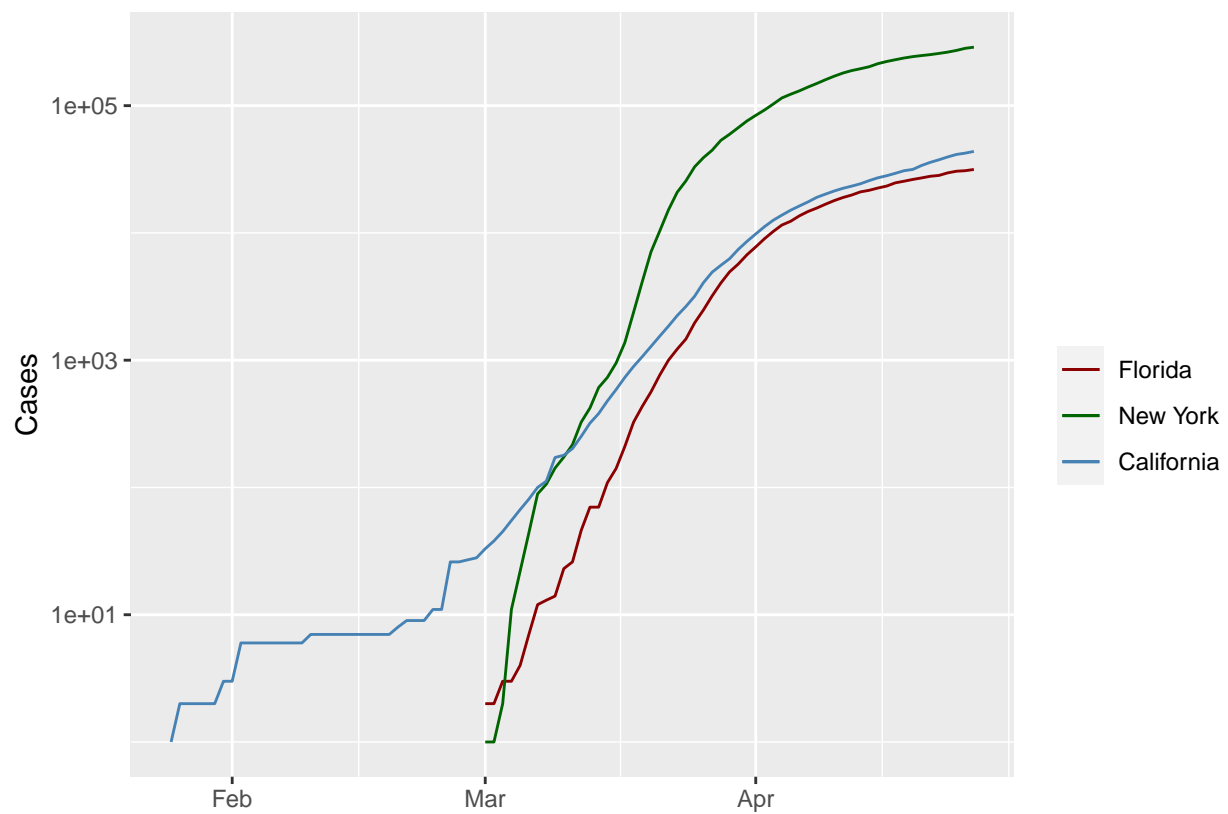
For footnote, see below.<sup>1</sup>

## Add Citations

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

## Inline Code

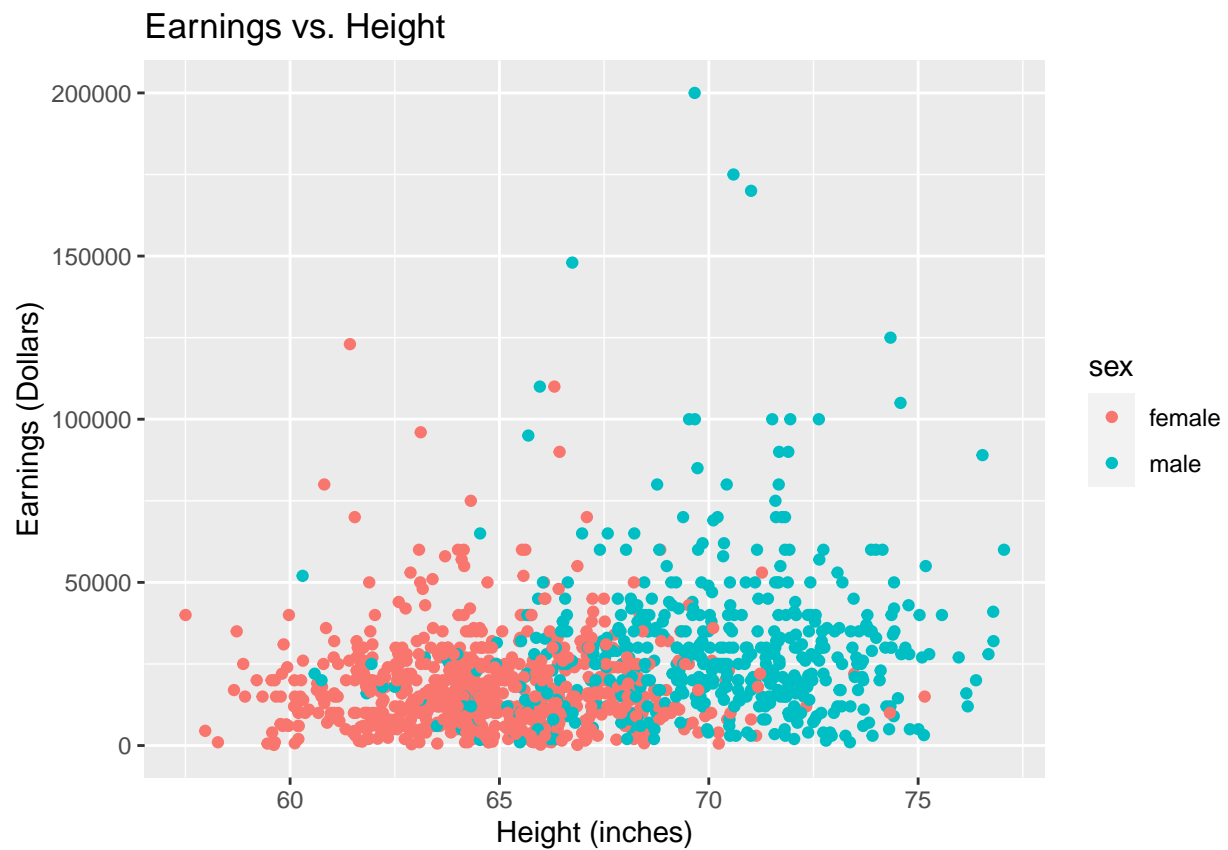
### NY Times COVID-19 Data



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

## R4DS 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

```
library(pander)
short_table <- characters_df[c(1:3,5,8),]
```

```
row.names(short_table) <- NULL
pandoc.table(short_table, style='grid')
```

```
##
##
## +-----+-----+-----+-----+-----+
## | name | race | in_fellowship | ring_bearer | age |
## +=====+=====+=====+=====+=====+
## | Aragon | Men | TRUE | FALSE | 88 |
## +-----+-----+-----+-----+-----+
## | Bilbo | Hobbit | FALSE | TRUE | 129 |
## +-----+-----+-----+-----+-----+
## | Frodo | Hobbit | TRUE | TRUE | 51 |
## +-----+-----+-----+-----+-----+
## | Sam | Hobbit | TRUE | TRUE | 36 |
## +-----+-----+-----+-----+-----+
## | Sauron | Maia | FALSE | TRUE | 7052 |
## +-----+-----+-----+-----+-----+
```

## Word and PDF Output

☐ Generate Word and PDF output

RStudio should add the following to your YAML metadata

```
output:
  pdf_document: default
  html_document: default
  word_document: default
```

## 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>.