ASSIGNMENT 4

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Markdown Basics

Favorite Foods

My favorite foods are:
* Tacos
* Pizza
* Pulled Pork

Images

A picture of Wyatt

Add a Quote

An inspirational quote is:

> If your dreams don't scare you they are too small

Add an Equation

$$e = mc^2$$

Add a Footnote

1

Add Citations
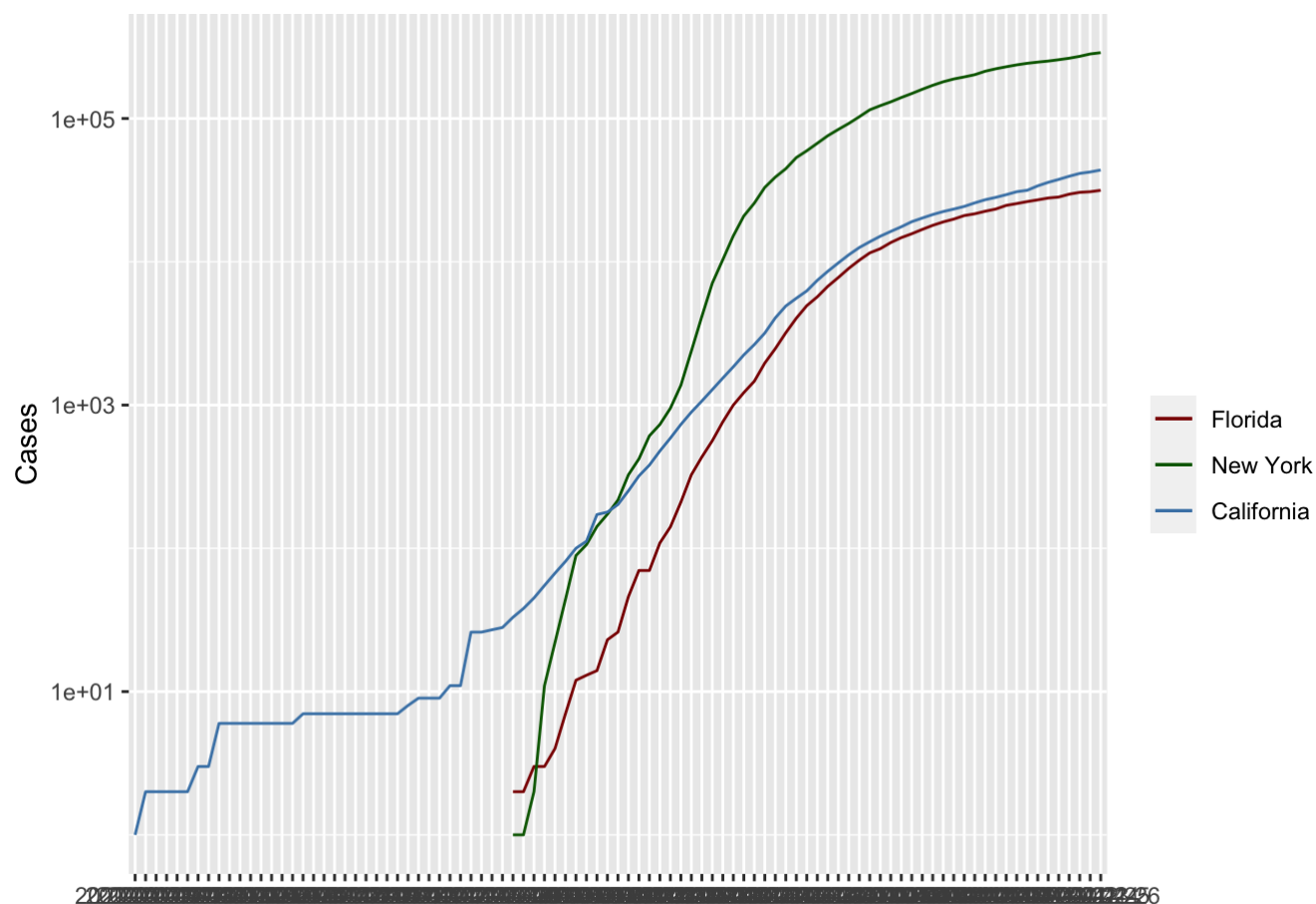
Lander (2017)
R for Everyone

Andy Field (2012)
Discovering Statistics Using R
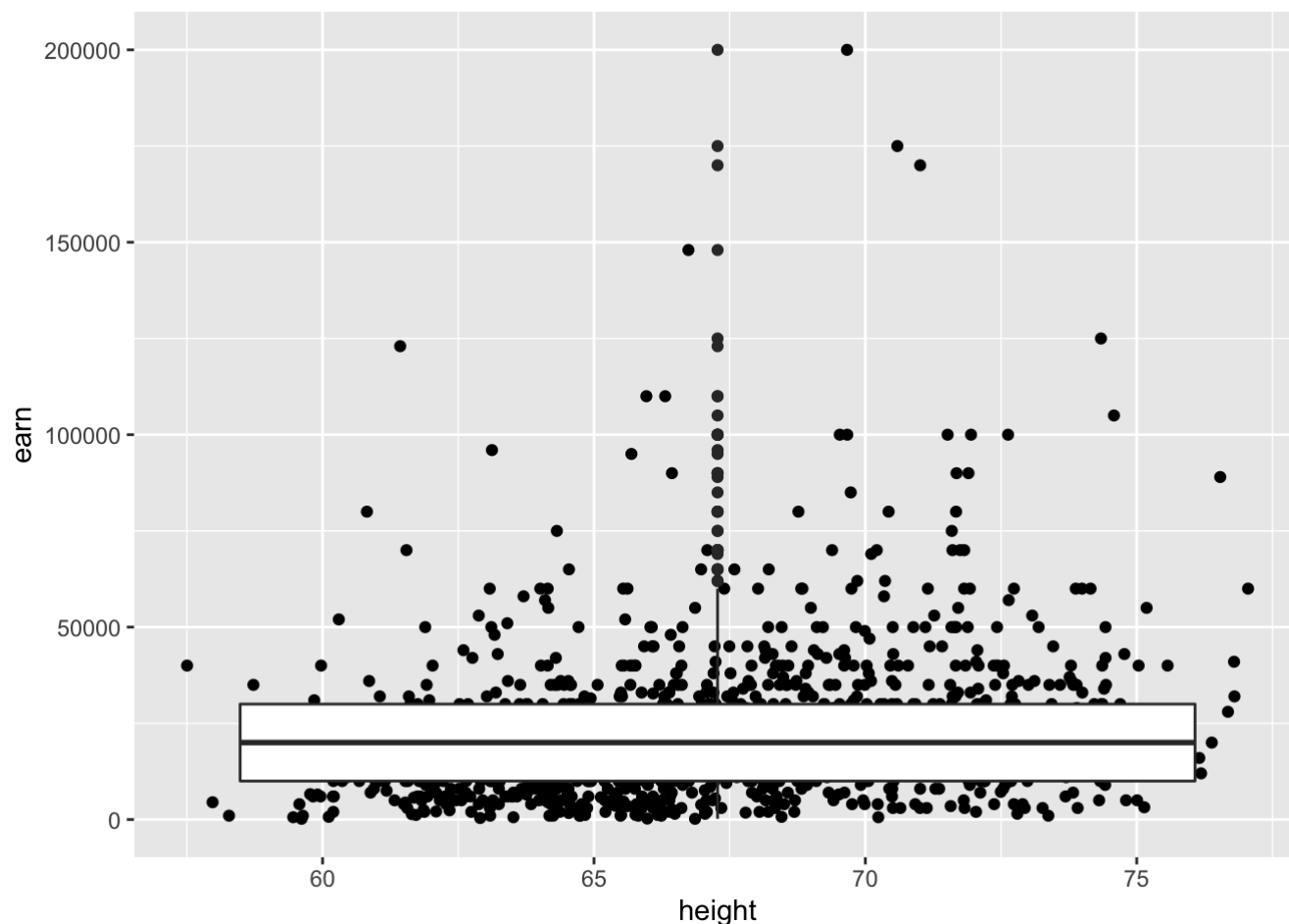
Inline Code

NY Times COVID-19 Data

```
library(ggplot2)
covid_df <- read.csv("nytimes/covid-19-data/us-states.csv")
california_df <- covid_df[ which( covid_df$state == "California"), ]
ny_df <- covid_df[ which( covid_df$state == "New York"), ]
florida_df <- covid_df[ which( covid_df$state == "Florida"), ]
ggplot(data=florida_df, aes(x=date, group=1)) +
  geom_line(aes(y = cases, colour = "Florida")) +
  geom_line(data=ny_df, aes(y = cases,colour="New York")) +
  geom_line(data=california_df, aes(y = cases, colour="California")) +
  scale_colour_manual("",
                      breaks = c("Florida", "New York", "California"),
                      values = c("darkred", "darkgreen", "steelblue")) +
  xlab(" ") + ylab("Cases") + scale_y_log10()
```

R4DS Height vs Earnings

```
heights_df <- read.csv("heights.csv")
ggplot(heights_df, aes(x=height, y=earn), group=1) + geom_point()+ geom_boxplot()
```

```
## Warning: Continuous x aesthetic -- did you forget aes(group=...)?
```

Tables

Knitr Table with Kable

```
knitr::kable(head(mtcars[, 1:4]), "simple")
```

	mpg	cyl	disp	hp
Mazda RX4	21.0	6	160	110
Mazda RX4 Wag	21.0	6	160	110
Datsun 710	22.8	4	108	93
Hornet 4 Drive	21.4	6	258	110
Hornet Sportabout	18.7	8	360	175
Valiant	18.1	6	225	105

Pandoc Table

```
m <- mtcars[1:3, 1:4]
#pandoc.table(m, style = 'simple')
# I worked to figure out pandoc for at least an hour before giving up. Would be nice to
 have some
# resources on how to get it to work
```

References

Andy Field, Zoe Field, Jeremy Miles. 2012. *Discovering STatistics Using r*.

Lander, Jared P. 2017. *R for Everyone*.

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1. This is a footnote↩