ASSIGNMENT 4

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Markdown Basics

Favorite Foods

1. Biryani
2. Kulfi
3. Rosagolla

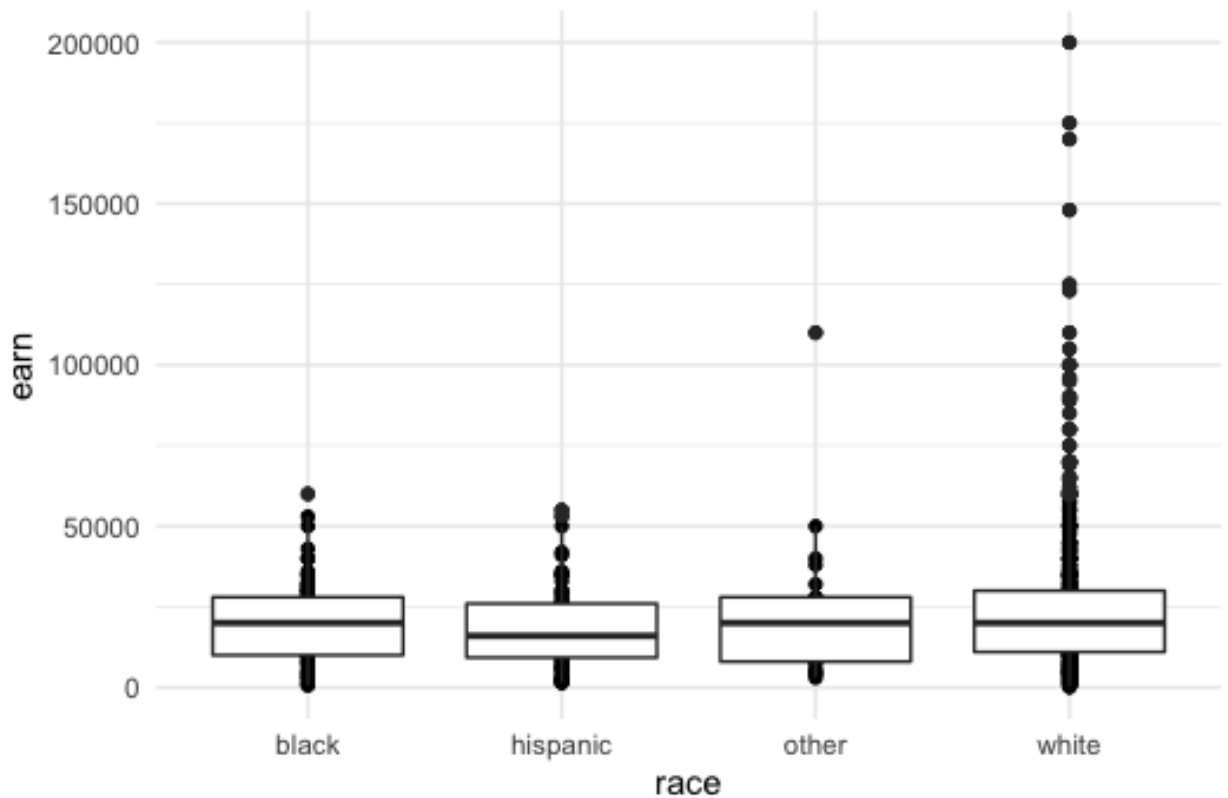### Images

image:

Add a Quote

> You must be the change you wish to see in the world

Add an Equation

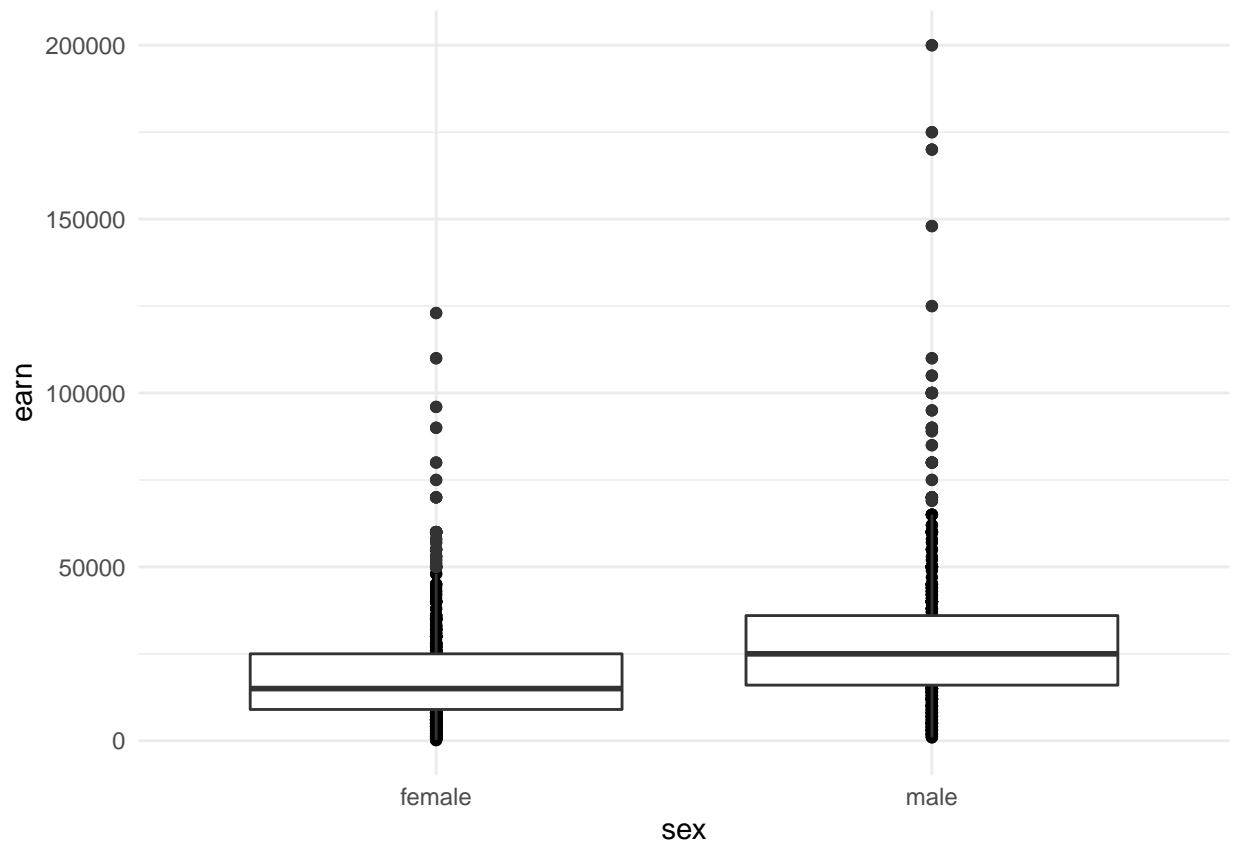$$(a+b)^2 = a^2 + b^2 + 2ab$$

Add a Footnote

```
Woolf, "Modern Fiction," 11 [^1]
```

Add Citations

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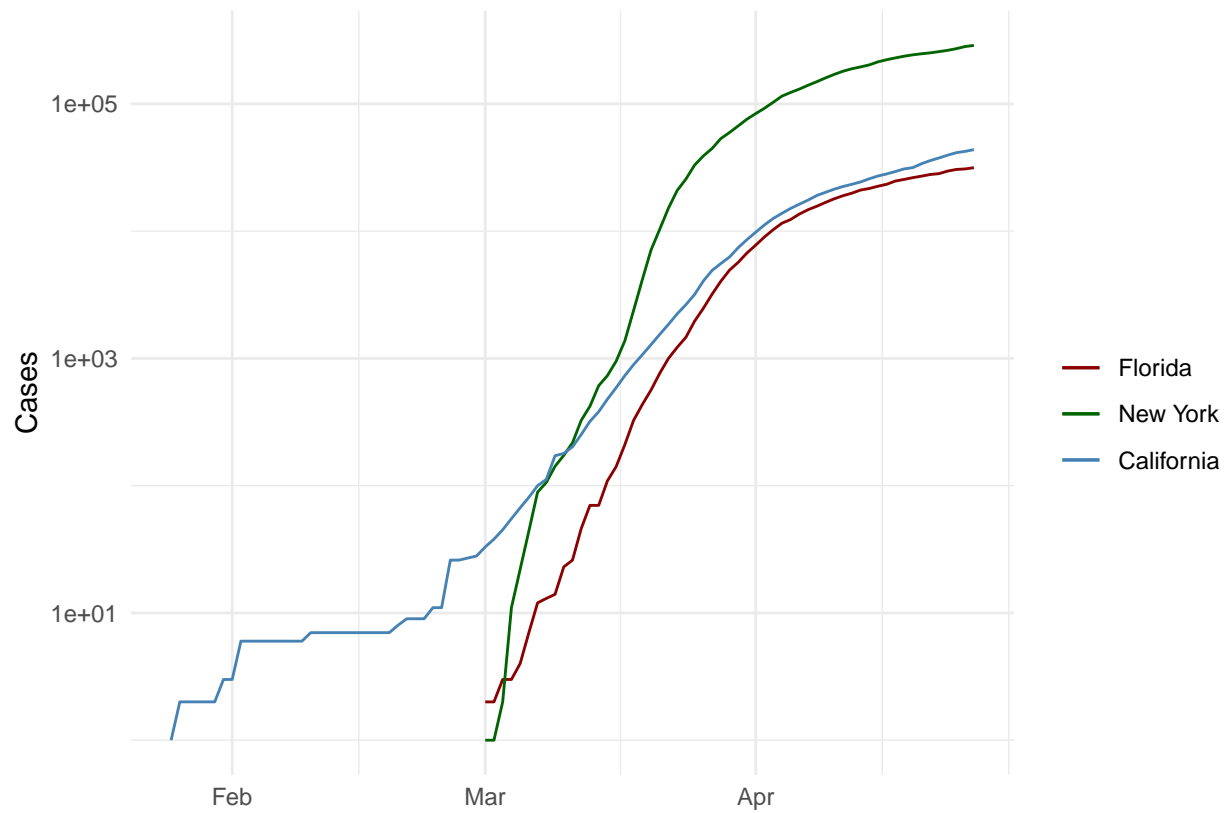- Discovering Statistics Using R (Field, Miles, and Field 2012)

Inline Code

```
library(ggplot2)
theme_set(theme_minimal())
covid_df <- read.csv("/Users/somashekarvayuvegula/Documents/Workspace/dsc520/data/nytimes/covid-19-data,
heights_df <- read.csv("/Users/somashekarvayuvegula/Documents/Workspace/dsc520/data/r4ds/heights.csv")
ggplot(heights_df, aes(x=sex, y=earn)) + geom_point()+ geom_boxplot()
```
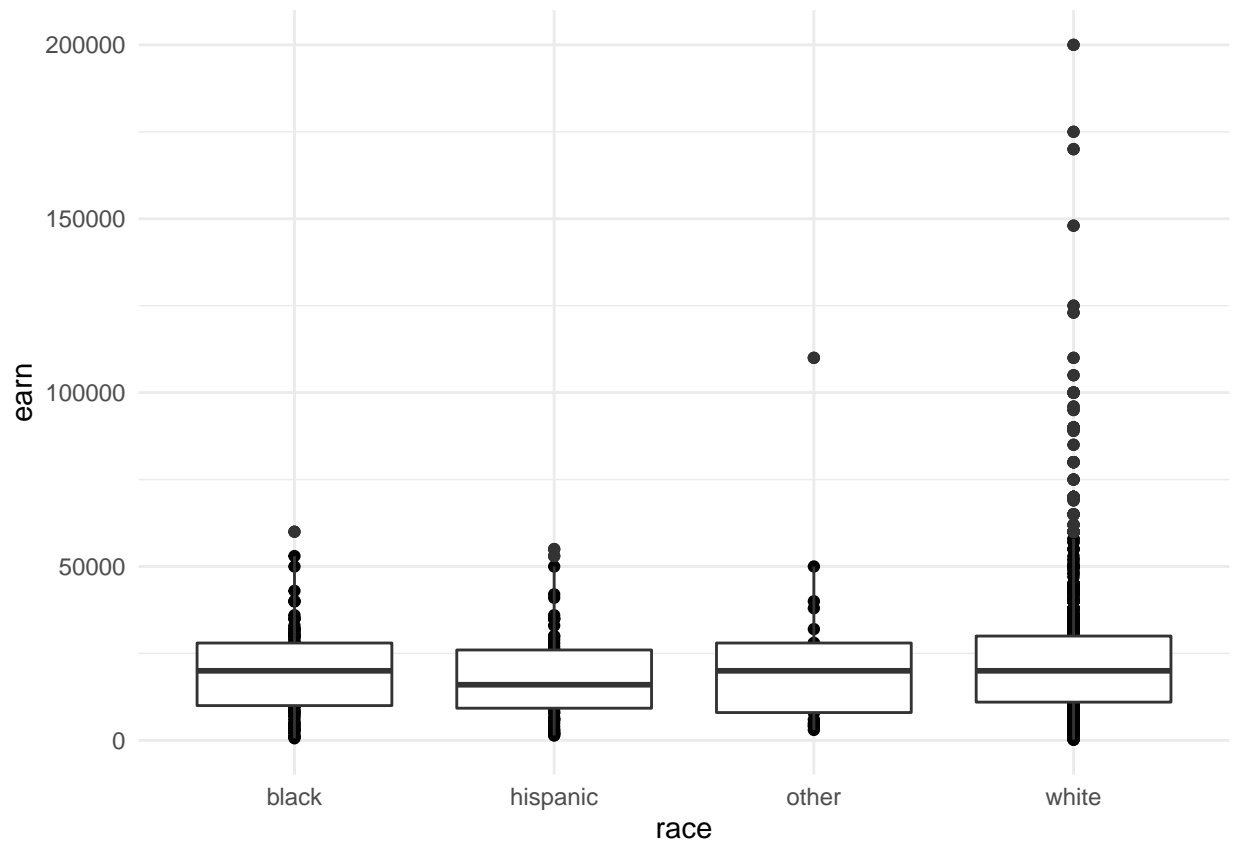
```
covid_df <- read.csv("/Users/somashekarvayuvegula/Documents/Workspace/dsc520/data/nytimes/covid-19-data,
covid_df$date <- as.Date(covid_df$date)
california_df <- covid_df[ which( covid_df$state == "California"), ]
ny_df <- covid_df[ which( covid_df$state == "New York"), ]
florida_df <- covid_df[ which( covid_df$state == "Florida"), ]
```

NY Times COVID-19 Data

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

##

```
## Attaching package: 'pander'

## The following object is masked from 'package:latexpdf':
##
##     wrap


##
## ----------------------------------------------------------------
##    Name        Race    In Fellowship?   Is 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
## ----------------------------------------------------------------
##
## Table: One Ring to Rule Them All
```

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.