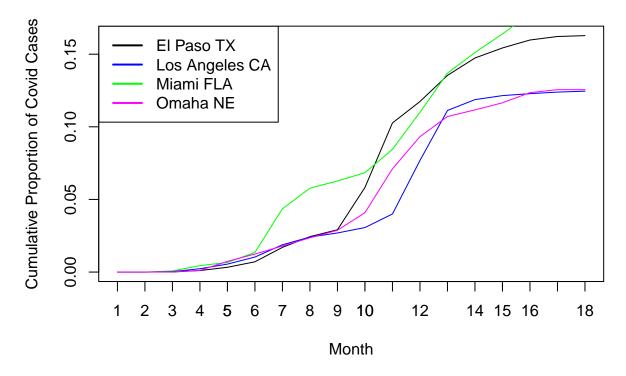
R Data Visualization

Alexander Shih

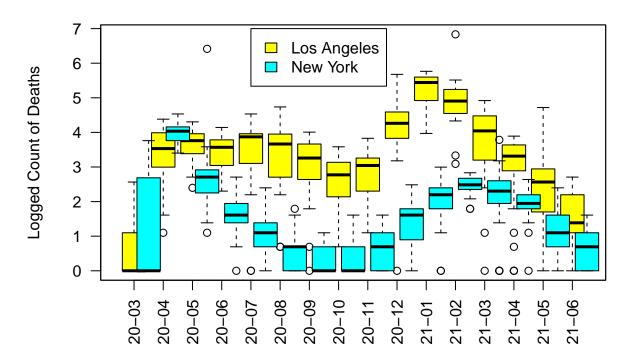
Graph of US COVID cases as a cumulative proportion of the US population 2020-2021 (1 represents January 2020)

Covid Cases as a Cumulative Proportion of the Population 2020–21



Covid deaths by month for Los Angeles and New York (y-axis is log scale for better sense of scale)

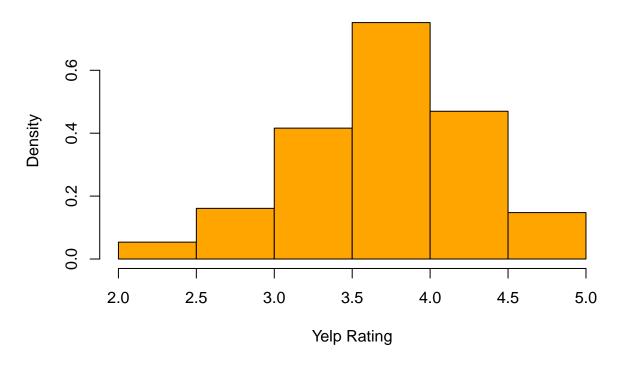
Covid Deaths by Month for Los Angeles and New York



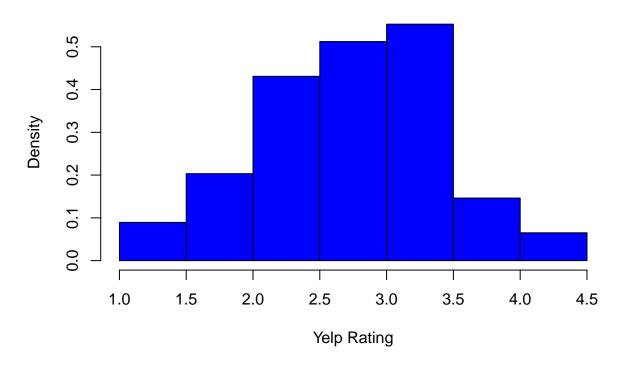
Histograms of Yelp reviews for various types of restaurants

```
library(readr)
yelp3 <- read_csv("~/R/yelp3.csv")</pre>
## -- Column specification ---
## cols(
     business_id = col_character(),
##
     categories.0 = col_character(),
##
##
     city = col_character(),
     latitude = col_double(),
##
##
     longitude = col_double(),
##
     name = col_character(),
     stars = col_double()
##
```

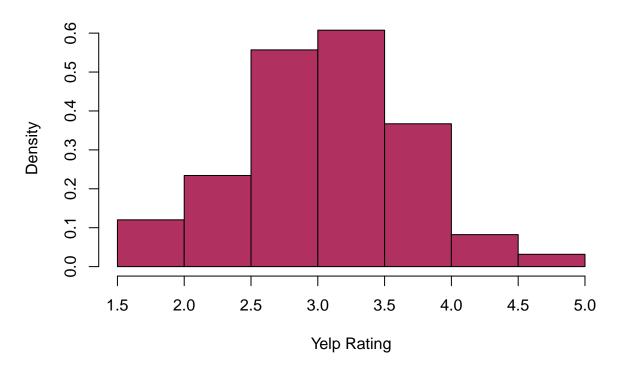

Vegan Ratings



Buffet Ratings

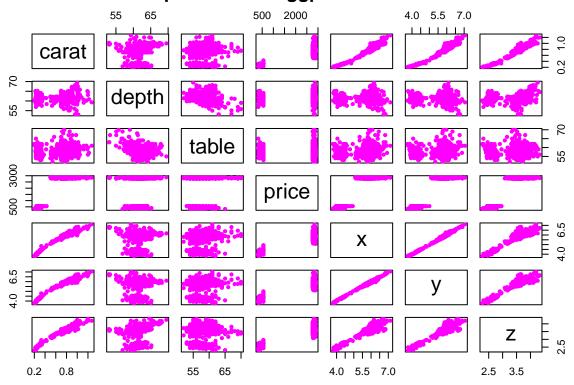


Sports Bar Ratings



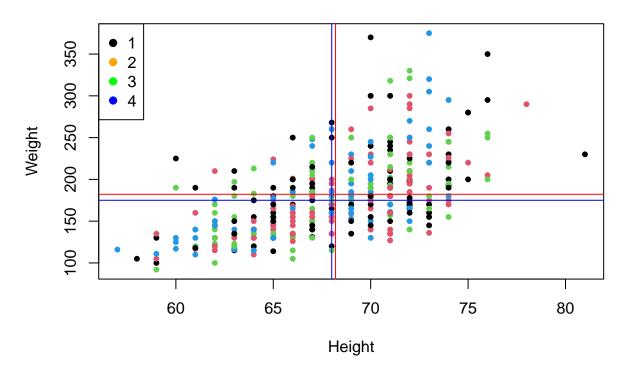
```
library(ggplot2)
d <- diamonds[1:1000, c(1, 5, 6, 7, 8, 9, 10)]
plot(d, col="magenta", pch=20)
title("Scatterplot Matrix of ggplot Dataset Diamonds", line = 3)</pre>
```

Scatterplot Matrix of ggplot Dataset Diamonds



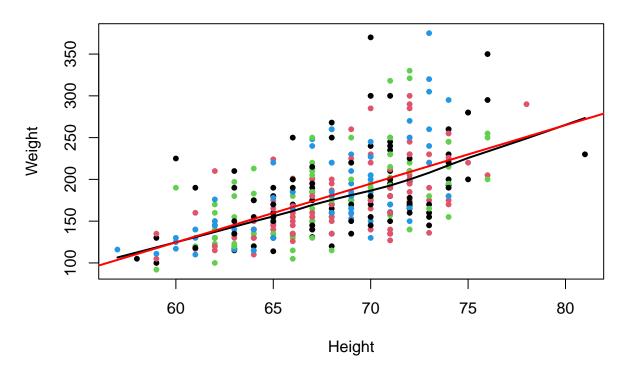
A graph of car accidents in Hawaii by height and weight of the driver (color represents the quarter of the year in which the accident occured). The red and blue lines are the means and medians, respectively, for each axis.

Driver Weight on Driver Height by Quarter for Hawaii

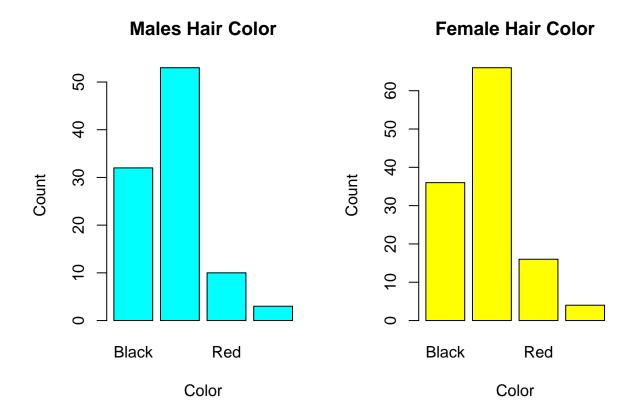


The same graph as before, but with a linear regression line (red) and a scatterplot smoothing line (black)

Driver Weight on Driver Height by Quarter for Hawaii

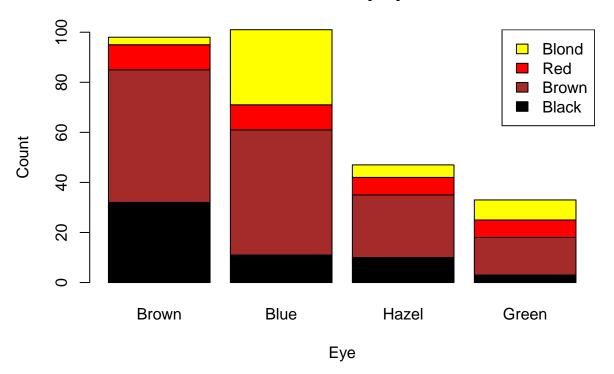


Bar plots of male/female hair color

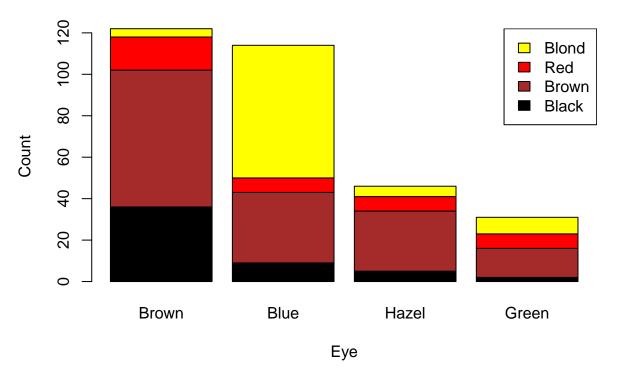


Bar plots of male/female hair color by eye color

Male Hair Color by Eye Color



Female Hair Color by Eye Color



Bar plots of proportions of male/female hair color by eye color

Proportion Male Hair Color by Eye Color



Proportion Female Hair Color by Eye Color

