## 6.2 Assignment: histograms, box plots, and bullet charts

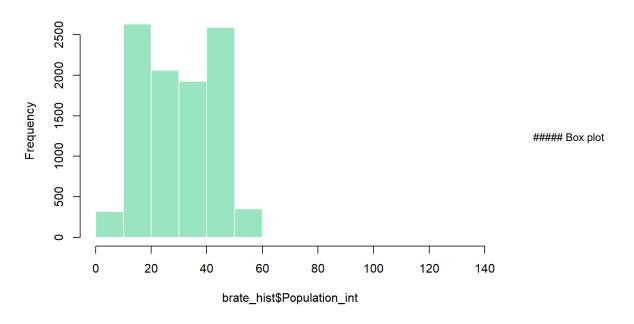
Raghuwanshi, Prashant 03/13/2022

Import, Plot, Summarize, and Save Data

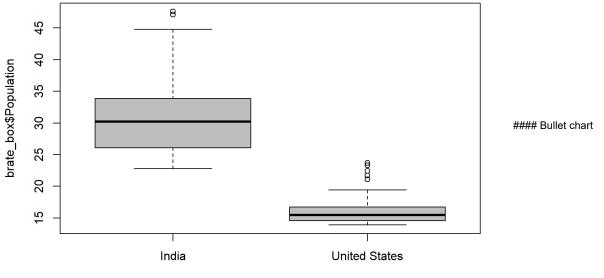
```
#install.packages("rlang")
 #remove.packages("rlang")
 #install.packages("dplyr")
 library(dplyr)
 ## Attaching package: 'dplyr'
 ## The following objects are masked from 'package:stats':
 ##
 ##
        filter, lag
 ## The following objects are masked from 'package:base':
 ##
 ##
        intersect, setdiff, setequal, union
 library(ggplot2)
 theme_set(theme_minimal())
 library(readxl)
 #install.packages("dplyr")
 library('magrittr')
 #source("BulletGraph.R", Local=TRUE)
 #install.packages("devtools")
 #install.packages("GGally")
 library(devtools)
 ## Loading required package: usethis
 require("d3Dashboard")
 ## Loading required package: d3Dashboard
Set the working directory to the root of your DSC 520 directory
 #setwd("C:/Users/21313711/Documents/DSC640/ex6-2/ex6-2/")
reading csv
```

```
# Load birth rate data
brate_df <- read.csv('C:/Users/21313711/Documents/DSC640/ex6-2/ex6-2/birth-rate.csv')
# Load crime data
crime_df <- read.csv('C:/Users/21313711/Documents/DSC640/ex6-2/ex6-2/crimeratesbystate-formatted.csv')
# Load education data
education_df <- read.csv('C:/Users/21313711/Documents/DSC640/ex6-2/ex6-2/education.csv')
# format year columns
colnames(brate_df) <- gsub("X", "", colnames(brate_df))</pre>
```

HISTOGRAM CHART



```
brate_box <- brate_hist %>%
  dplyr::filter(Country %in% c("United States", "India"))
boxplot(brate_box$Population ~ brate_box$Country , col="grey")
```

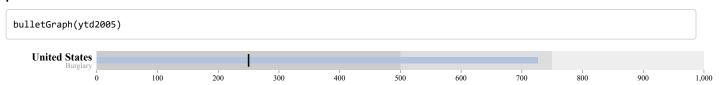


brate\_box\$Country

```
crime_bullet <- crime_df %>%
  dplyr::filter(stringr::str_trim(state, "both") == "United States") %>%
  dplyr::select(c(state, burglary))

ytd2005 <- list(
  title=list("United States"),
  subtitle=list("Burglary"),
  range=list(c(0,500,750,1000)),
  measures=list(c(0, crime_bullet$burglary)),
  markers=list(250, 26, 550, 2100, 4.2))</pre>
```

## plot



## parallel plot

```
education_parallel <- education_df %>%
  dplyr::filter(stringr::str_trim(state, "both") != "United States")
MASS::parcoord(education_parallel[,c(2:4)] )
```

