Assignment 1.2 - Week 1&2 in R

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Load required libraries

```
library(readxl)
library(ggplot2)
library(RColorBrewer)
library(plotly)
## Attaching package: 'plotly'
## The following object is masked from 'package:ggplot2':
##
##
       last plot
   The following object is masked from 'package:stats':
##
##
##
       filter
## The following object is masked from 'package:graphics':
##
##
       lavout
```

library(webshot)

Read xls into a dataframe

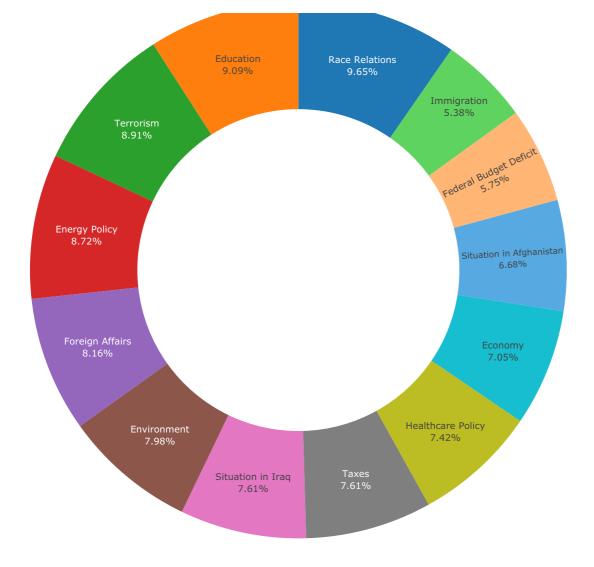
```
obama\_approvals\_df <- read\_excel(path = "C:/Masters/GitHub/Summer2023/DSC640-Data Presentation \& Visualization/We ek1&2/Data/obama-approval-ratings.xls") \\ nrow(obama\_approvals\_df)
```

```
## [1] 13
```

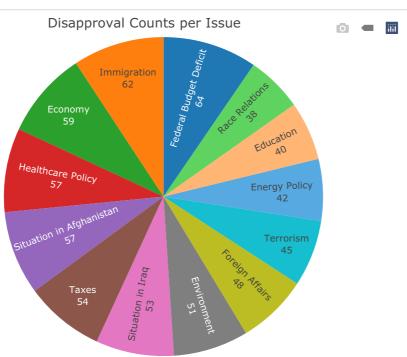
```
head(obama_approvals_df,5)
```

```
## # A tibble: 5 × 4
##
                     Approve Disapprove None
    Issue
##
     <chr>
                       <dbl>
                                  <dbl> <dbl>
## 1 Race Relations
                          52
                                     38
                                            10
                          49
## 2 Education
                                     40
                                            11
## 3 Terrorism
                          48
                                     45
                                            7
## 4 Energy Policy
                          47
                                      42
                                            11
## 5 Foreign Affairs
                          44
                                      48
                                             R
```

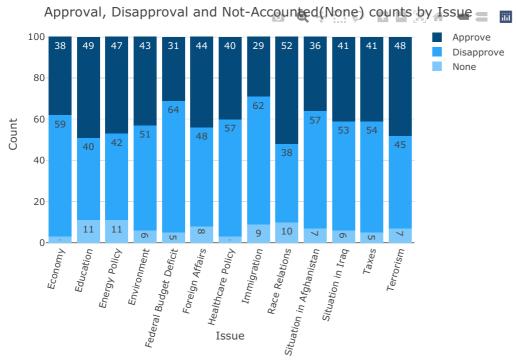
DONUT CHART



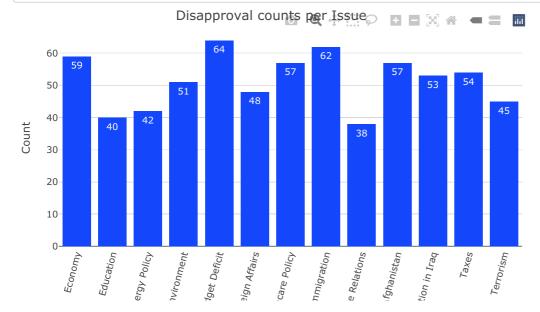
PIE CHART



STACKED BAR CHART



BAR CHART



LINE CHART

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```
# Line Chart

fig <- plot_ly(obama_approvals_df, x = ~Issue)
fig <- fig %>% add_lines(y = ~Disapprove, name = "Disapprove")
fig <- fig %>% add_lines(y = ~Approve, name = "Approve")
fig <- fig %>% layout(title="Approvals and Disapproval by Issue",autosize = T)
fig
```

