

Assignment 1.2

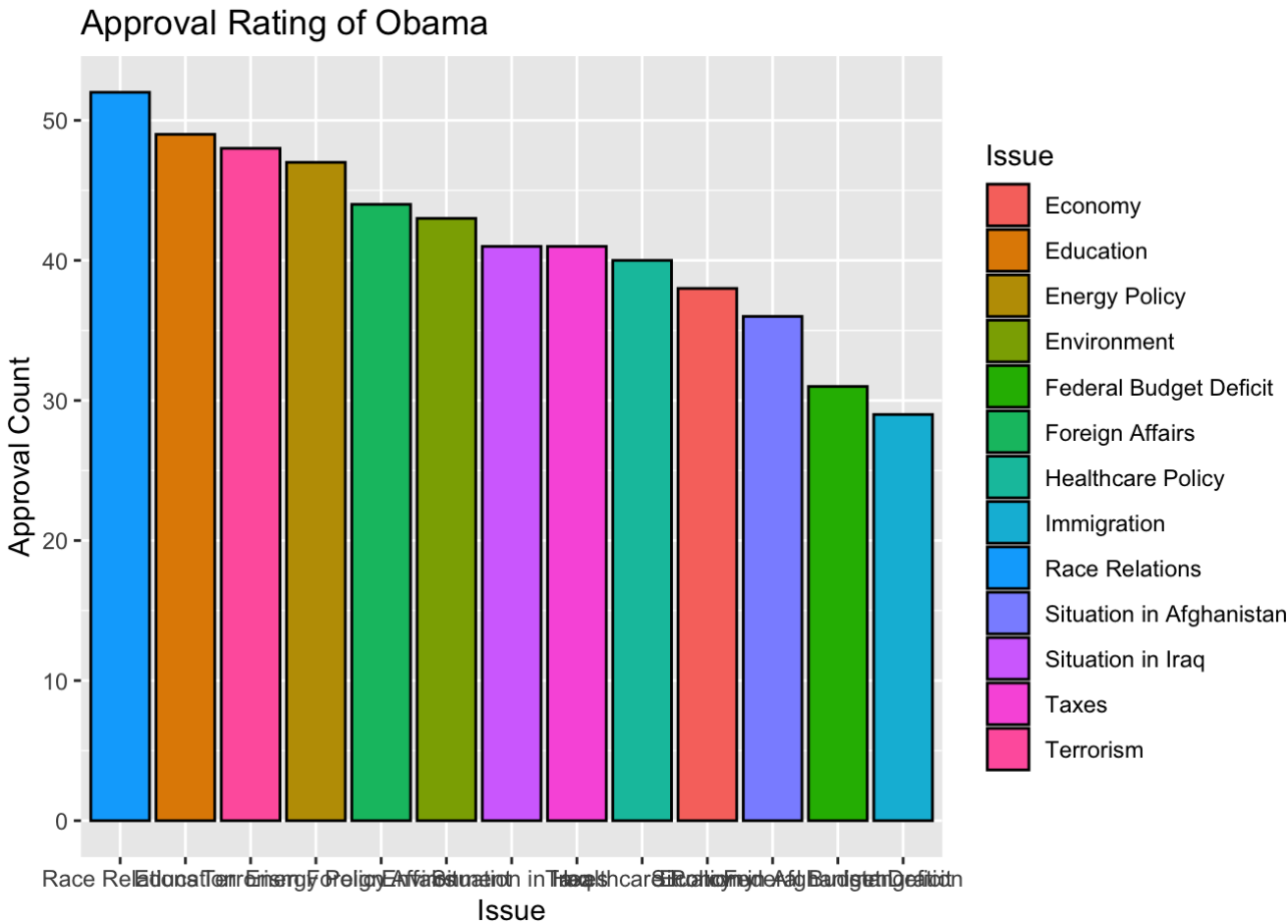
Anjani Bonda

12/10/2022

##	Issue	Approve	Disapprove	None
## 1	Race Relations	52	38	10
## 2	Education	49	40	11
## 3	Terrorism	48	45	7
## 4	Energy Policy	47	42	11
## 5	Foreign Affairs	44	48	8
## 6	Environment	43	51	6
## 7	Situation in Iraq	41	53	6
## 8	Taxes	41	54	5
## 9	Healthcare Policy	40	57	3
## 10	Economy	38	59	3
## 11	Situation in Afghanistan	36	57	7
## 12	Federal Budget Deficit	31	64	5
## 13	Immigration	29	62	9

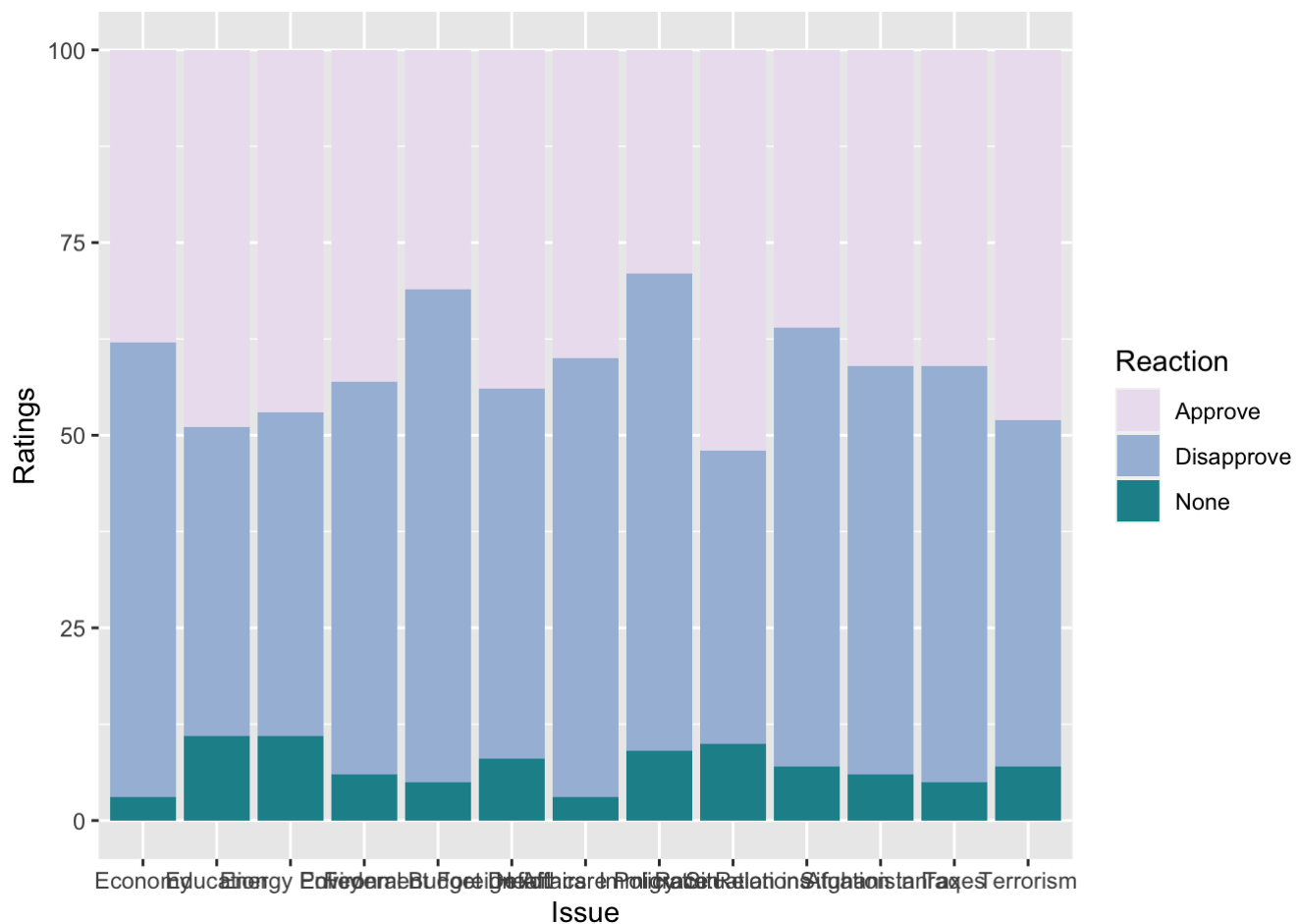
Bar chart

Plot the issue in x-axis and any of the corresponding ratings in y-axis with approval ratings as the measure.



Stacked Bar Chart

Plot each issue with their respective Approval, Disapproval and Neutral counts.

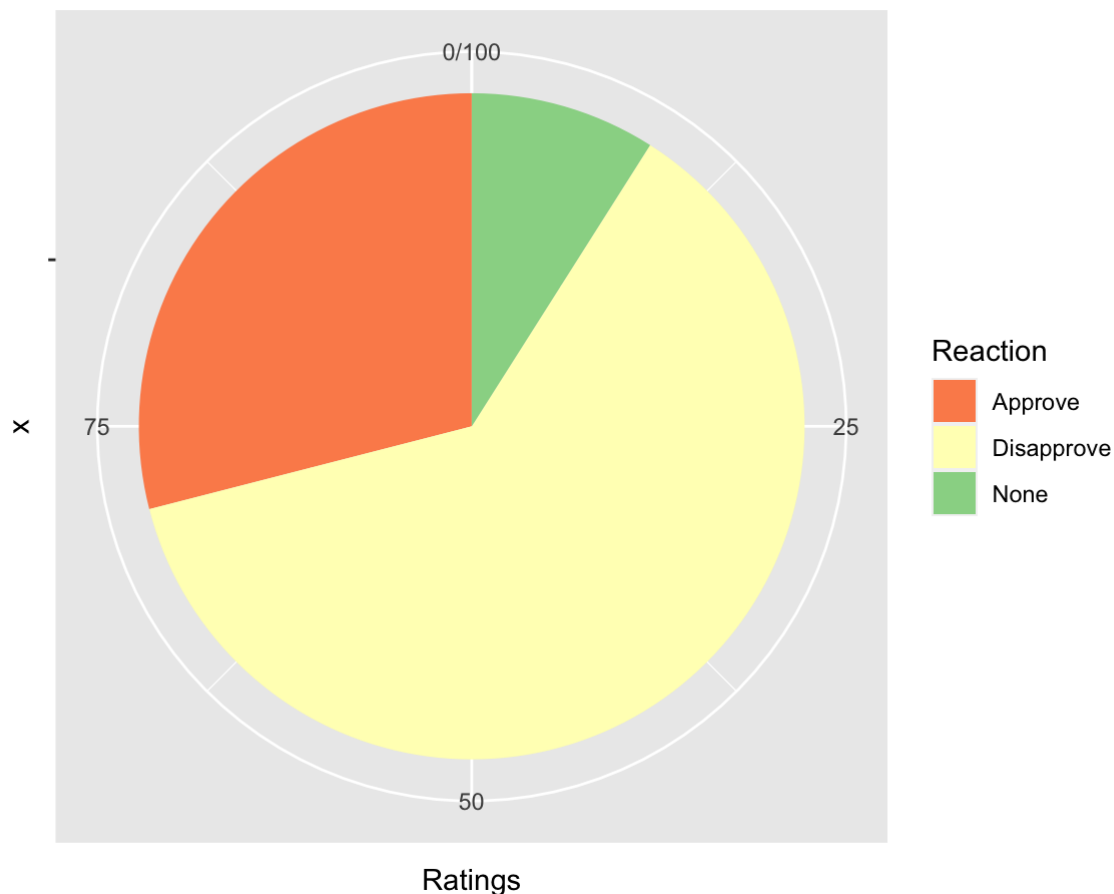


Pie Chart

For pie chart, Plot Immigration issue and plot the different ratings in a pie.

```
obama_long %>%
  dplyr::filter(Issue=='Immigration') %>%
  ggplot2::ggplot(ggplot2::aes(x="", y=Ratings, fill=Reaction))+
    ggplot2::geom_bar(width = 1, stat = 'identity') +
    ggplot2::coord_polar('y', start=0) +
    ggplot2::ggtitle(label = 'Reaction on Immigration Issue in Obama Era') +
    ggplot2::scale_fill_brewer(palette='Spectral')
```

Reaction on Immigration Issue in Obama Era



Donut Chart

For donut chart, Plot Education issue and plot different ratings in the shape of a donut.

```
obama_long %>%
  dplyr::filter(Issue=='Education') %>%
  dplyr::mutate(ymax=cumsum(Ratings),
               ymin=c(0,ymax[1:length(ymax)-1])) %>%
  ggplot2::ggplot(ggplot2::aes(fill=Reaction, ymax=ymax, ymin=ymin, xmax=4, xmin=3)) +
    ggplot2::geom_rect() +
    ggplot2::coord_polar(theta='y') +
    ggplot2::xlim(c(0, 4)) +
    ggplot2::annotate('text', x = 0, y = 0, label = 'Reaction on Education') +
    ggplot2::labs(title='')
```

