final_project_data

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R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.0 --
```

```
## v ggplot2 3.3.2      v purrr   0.3.4
## v tibble  3.0.3      v dplyr   1.0.2
## v tidyr   1.1.2      v stringr 1.4.0
## v readr   1.4.0      v forcats 0.5.0
```

```
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
data <- read_csv("nonvoters_data.csv")
```

```
##
## -- Column specification ----------------------------------------------------
## cols(
##   .default = col_double(),
##   educ = col_character(),
##   race = col_character(),
##   gender = col_character(),
##   income_cat = col_character(),
##   voter_category = col_character()
## )
## i Use `spec()` for the full column specifications.
```

Question 20. Are you currently registered to vote? 1. Yes 2. No

8. How much would you say you trust each of the following? [RANDOMIZE LIST]
9. The presidency

10. Congress
11. The Supreme Court
12. The Centers for Disease Control (CDC)
13. Election officials
14. The intelligence community (e.g. FBI or CIA)
15. The news media
16. The police
17. US Postal Service [Accordion grid - FLIP 1-4;4-1]
18. A lot
19. Some
20. Not much
21. Not at all

```r
filtered <- data %>%
  select(Q8_1, Q8_2, Q8_3, Q8_5, Q20)
```

Analysis between voter turnout and trust for the Presidency

```r
presidential_trust <- filtered %>%
  select(Q8_1, Q20) %>%
    filter(Q8_1 != -1) %>%
    filter(Q20 == 1) %>%
  mutate(pres_response = case_when(
    Q8_1 == 1 ~ "A lot",
    Q8_1 == 2 ~ "Some",
    Q8_1 == 3 ~ "Not Much",
    Q8_1 == 4 ~ "Not at all"
  )) %>%
    dplyr::mutate(pres_response = factor(pres_response,
                                  levels = c("A lot", "Some", "Not Much",
                                             "Not at all")))
```

```r
ggplot(presidential_trust, aes(x = pres_response, y = Q20)) +
  geom_col()+
  geom_smooth(data = presidential_trust %>% group_by(pres_response) %>% summarise(count = sum(Q20)),
            aes(x = pres_response, y = count, group = 1), method = "lm", se = FALSE)+
  labs(title = "How many people registered to vote for varying levels of trust for the President",
       x = "Trust Level", y = "Number of Registered Voters")
```

```
## `summarise()` ungrouping output (override with `.groups` argument)
```

```
## `geom_smooth()` using formula 'y ~ x'
```

How many people registered to vote for varying levels of trust for the Presi
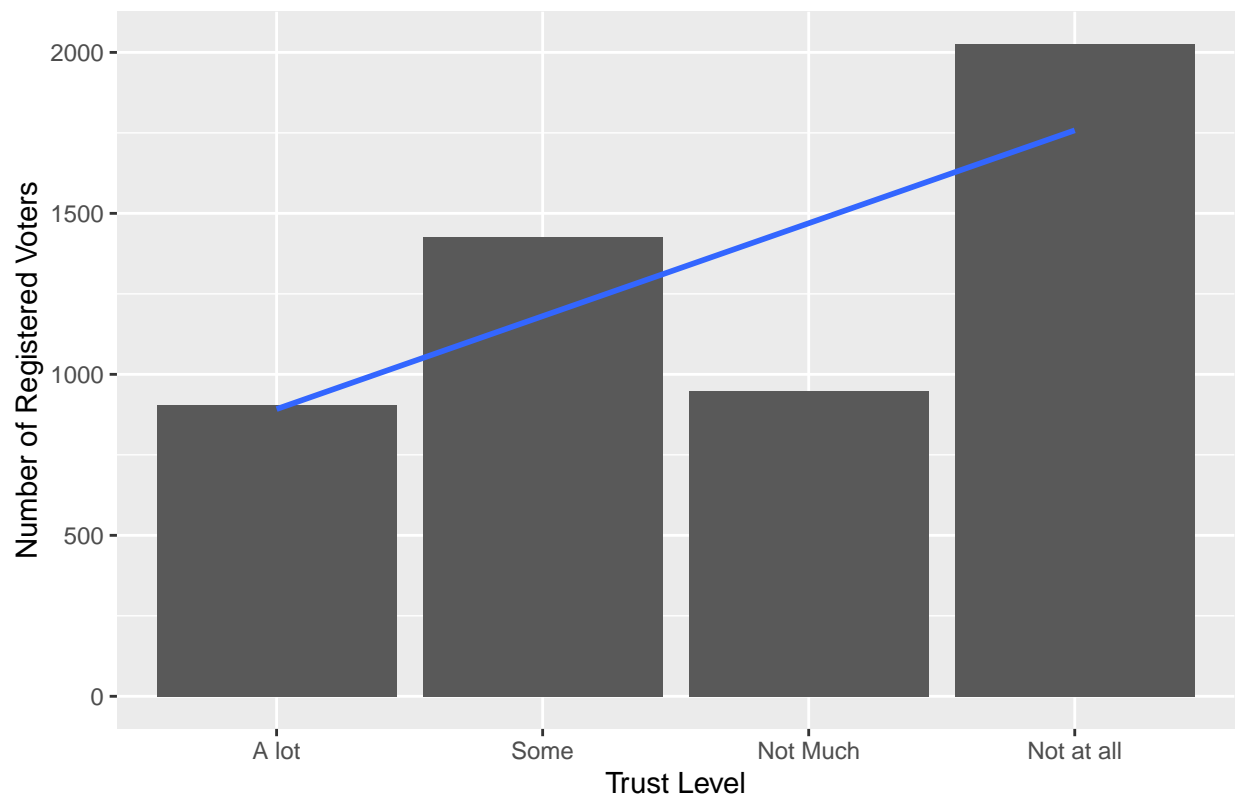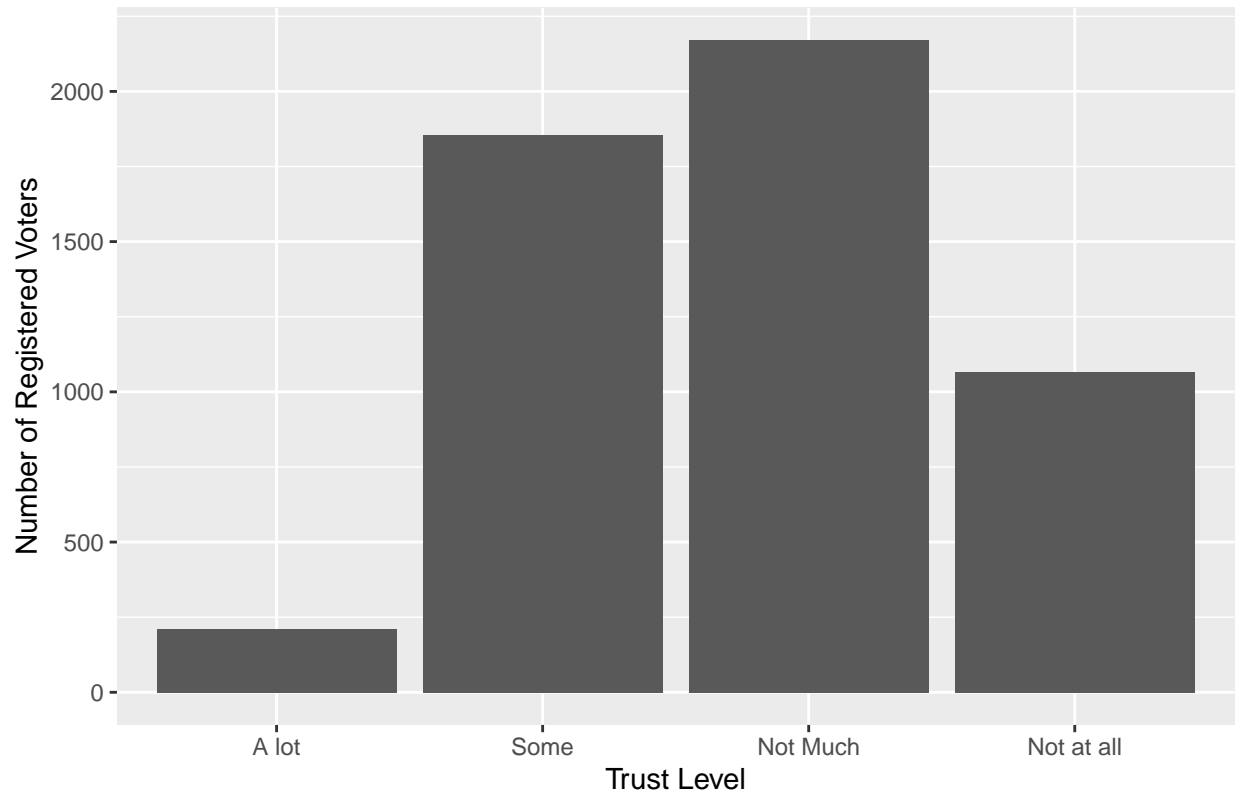

Analysis between voter turnout and trust for Congress

```r
congress_trust <- filtered %>%
  select(Q8_2, Q20) %>%
   filter(Q8_2 != -1) %>%
  filter(Q20 == 1) %>%
  mutate(congress_response = case_when(
    Q8_2 == 1 ~ "A lot",
    Q8_2 == 2 ~ "Some",
    Q8_2 == 3 ~ "Not Much",
    Q8_2 == 4 ~ "Not at all"
  )) %>%
  dplyr::mutate(congress_response = factor(congress_response,
                                levels = c("A lot", "Some", "Not Much",
                                           "Not at all")))

ggplot(congress_trust, aes(x = congress_response, y = Q20)) +
  geom_col()+
  labs(title = "How many people registered to vote for varying levels of trust for Congress",
       x = "Trust Level", y = "Number of Registered Voters")
```

How many people registered to vote for varying levels of trust for Congress
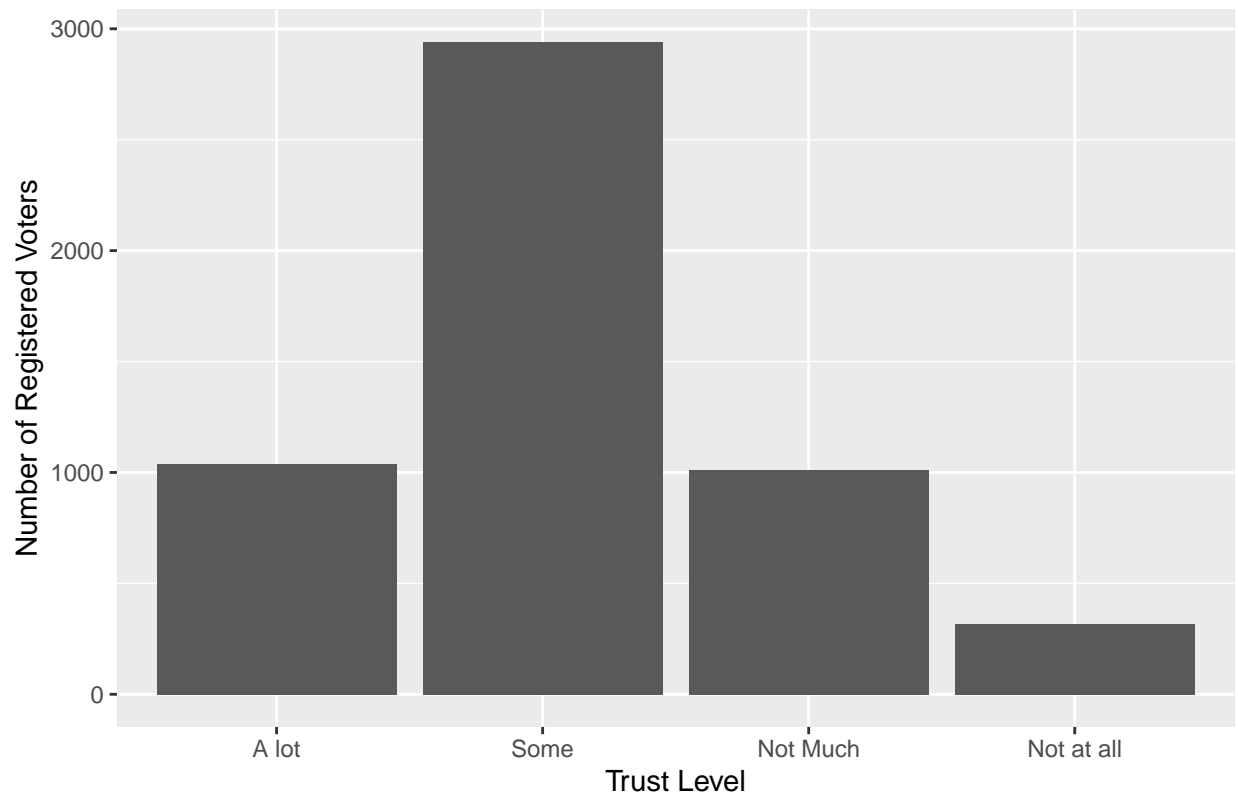

Analysis between voter turnout and trust for the Supreme Court

```r
court_trust <- filtered %>%
  select(Q8_3, Q20) %>%
    filter(Q8_3 != -1) %>%
  filter(Q20 == 1) %>%
  mutate(court_response = case_when(
    Q8_3 == 1 ~ "A lot",
    Q8_3 == 2 ~ "Some",
    Q8_3 == 3 ~ "Not Much",
    Q8_3 == 4 ~ "Not at all"
  )) %>%
    dplyr::mutate(court_response = factor(court_response,
                                 levels = c("A lot", "Some", "Not Much",
                                            "Not at all")))

ggplot(court_trust, aes(x = court_response, y = Q20)) +
  geom_col()+
  labs(title = "How many people registered to vote for varying levels of trust for the Supreme Court",
       x = "Trust Level", y = "Number of Registered Voters")
```

How many people registered to vote for varying levels of trust for the Supre

Analysis between voter turnout and trust for Election Officials

```
election_trust <- filtered %>%
  select(Q8_5, Q20) %>%
    filter(Q8_5 != -1) %>%
  filter(Q20 == 1) %>%
  mutate(elect_response = case_when(
    Q8_5 == 1 ~ "A lot",
    Q8_5 == 2 ~ "Some",
    Q8_5 == 3 ~ "Not Much",
    Q8_5 == 4 ~ "Not at all"
  )) %>%
    dplyr::mutate(elect_response = factor(elect_response,
                              levels = c("A lot", "Some", "Not Much",
                                  "Not at all")))

ggplot(election_trust, aes(x = elect_response, y = Q20)) +
  geom_col()+
  labs(title = "How many people registered to vote for varying levels of trust for Election Officials",
      x = "Trust Level", y = "Number of Registered Voters")
```

How many people registered to vote for varying levels of trust for Election

'