

poa_outline

Arielle Herman

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8.1)Households with income above the median are most likely to give high ratings to the response of State & Federal Government

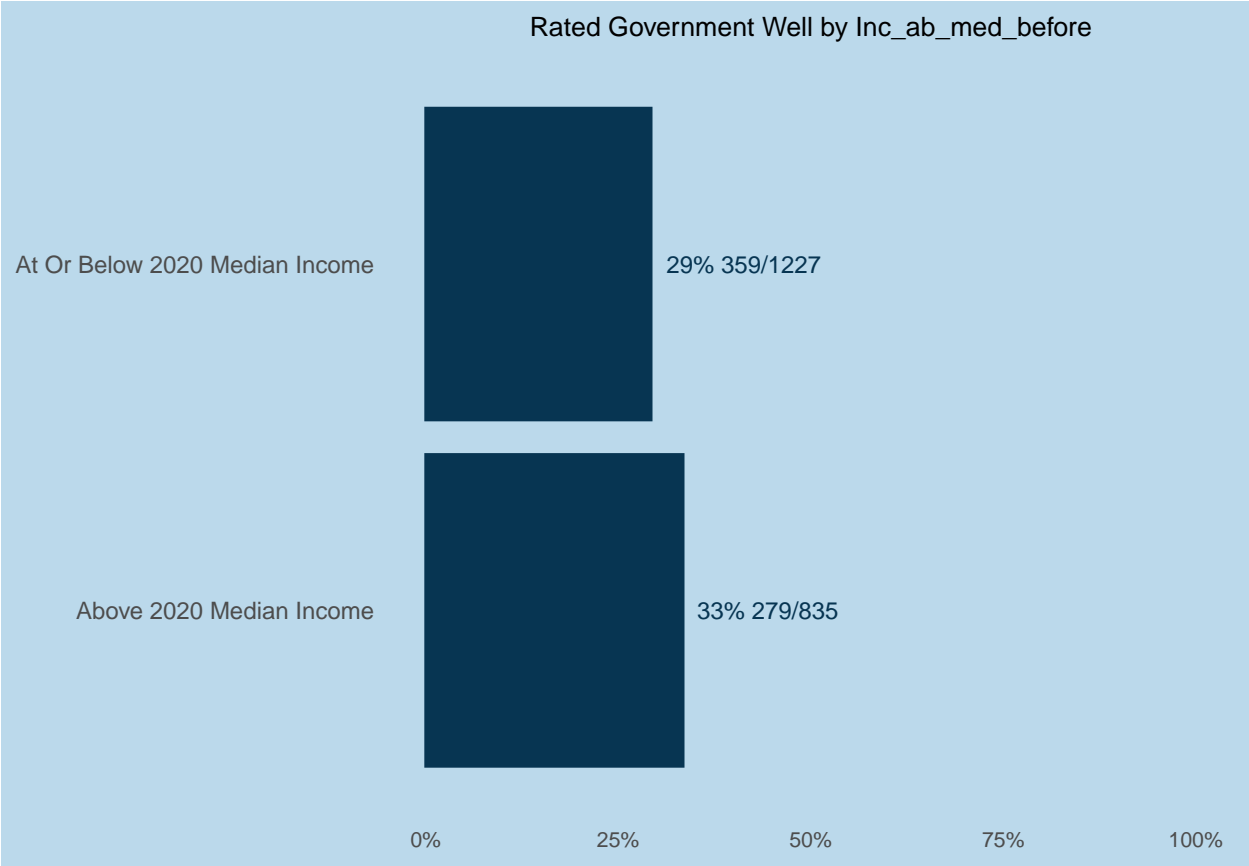
1. Find proportion of people who gave a high rating to State & Federal Government [31]
 - a. Find subset of population who have above median income [13]
 - b. Compare the groups below and above median income groups on the basis of their participation in political advocacy.

```
wrangled %>% summarize(across(contains("inc_ab_med"), mean, na.rm = TRUE))
```

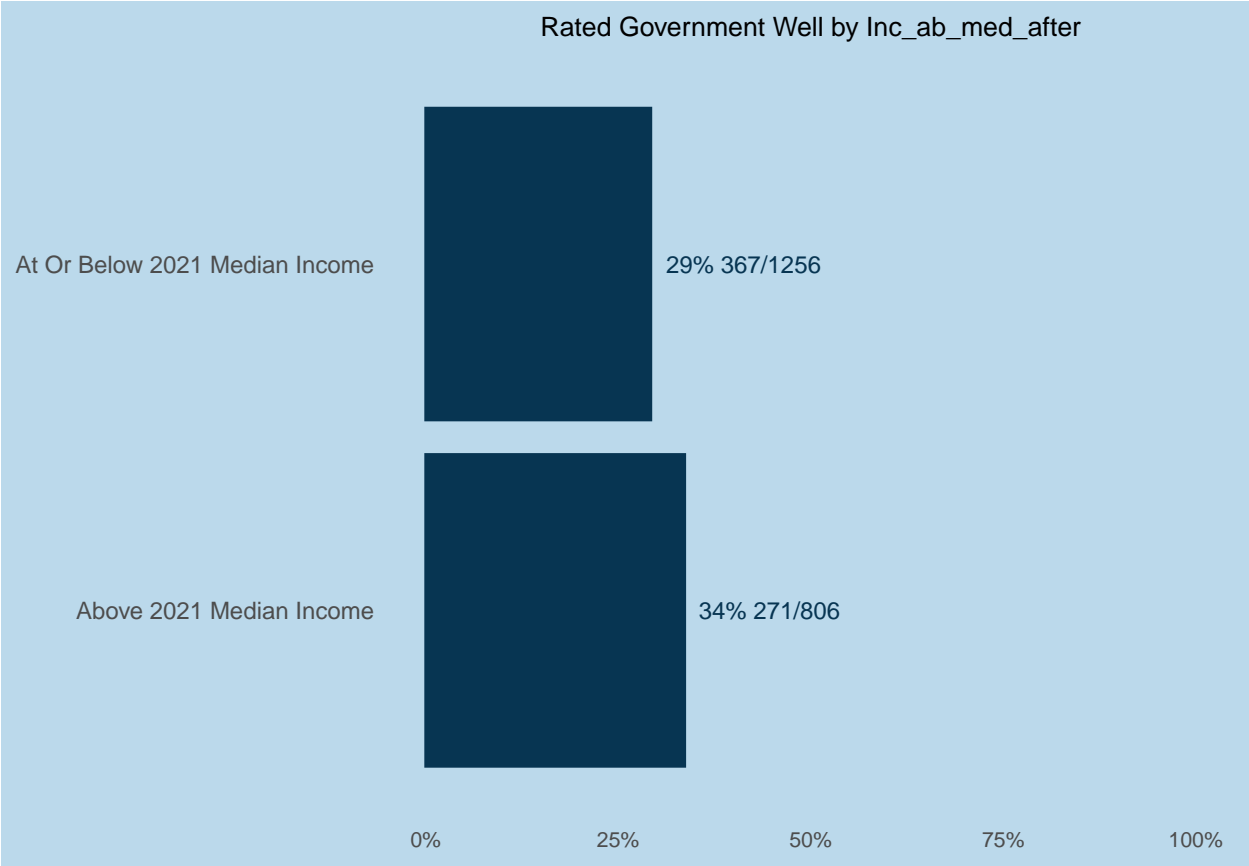
```
## # A tibble: 1 x 3
##   inc_ab_med_before inc_ab_med_after inc_ab_med
##           <dbl>           <dbl>           <dbl>
## 1             0.402             0.388             0.356
```

```
make_plots(wrangled, c("inc_ab_med_before", "inc_ab_med_after", "inc_ab_med"), "rate_gov_all_good", tit
```

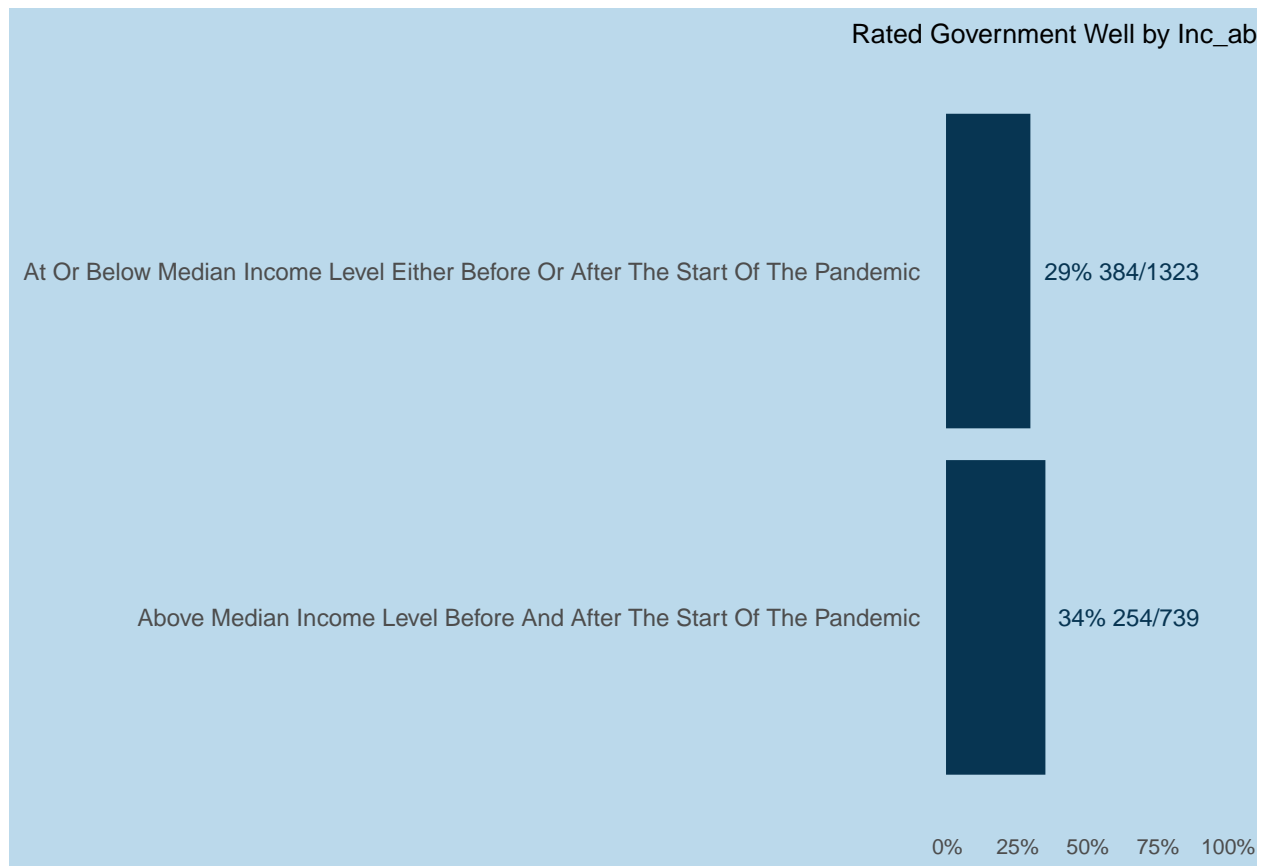
```
## $inc_ab_med_before
## $inc_ab_med_before$plot
```



```
##
## $inc_ab_med_before$p.values
## $inc_ab_med_before$p.values$rate_gov_all_good
##           at or below 2020 median income
## at or below 2020 median income           NA
## above 2020 median income                 NA
##           above 2020 median income
## at or below 2020 median income           NA
## above 2020 median income                 NA
##
##
##
## $inc_ab_med_after
## $inc_ab_med_after$plot
```



```
##
## $inc_ab_med_after$p.values
## $inc_ab_med_after$p.values$rate_gov_all_good
##           at or below 2021 median income
## at or below 2021 median income           NA
## above 2021 median income                 NA
##           above 2021 median income
## at or below 2021 median income           NA
## above 2021 median income                 NA
##
##
##
## $inc_ab_med
## $inc_ab_med$plot
```



```
##
## $inc_ab_med$p.values
## $inc_ab_med$p.values$rate_gov_all_good
##
## at or below median income level either before or after the start of the pandemic
## above median income level before and after the start of the pandemic
##
## at or below median income level either before or after the start of the pandemic
## above median income level before and after the start of the pandemic
```

8.2) People with below median income were more likely to give low ratings to the responses of dr State & Federal Government

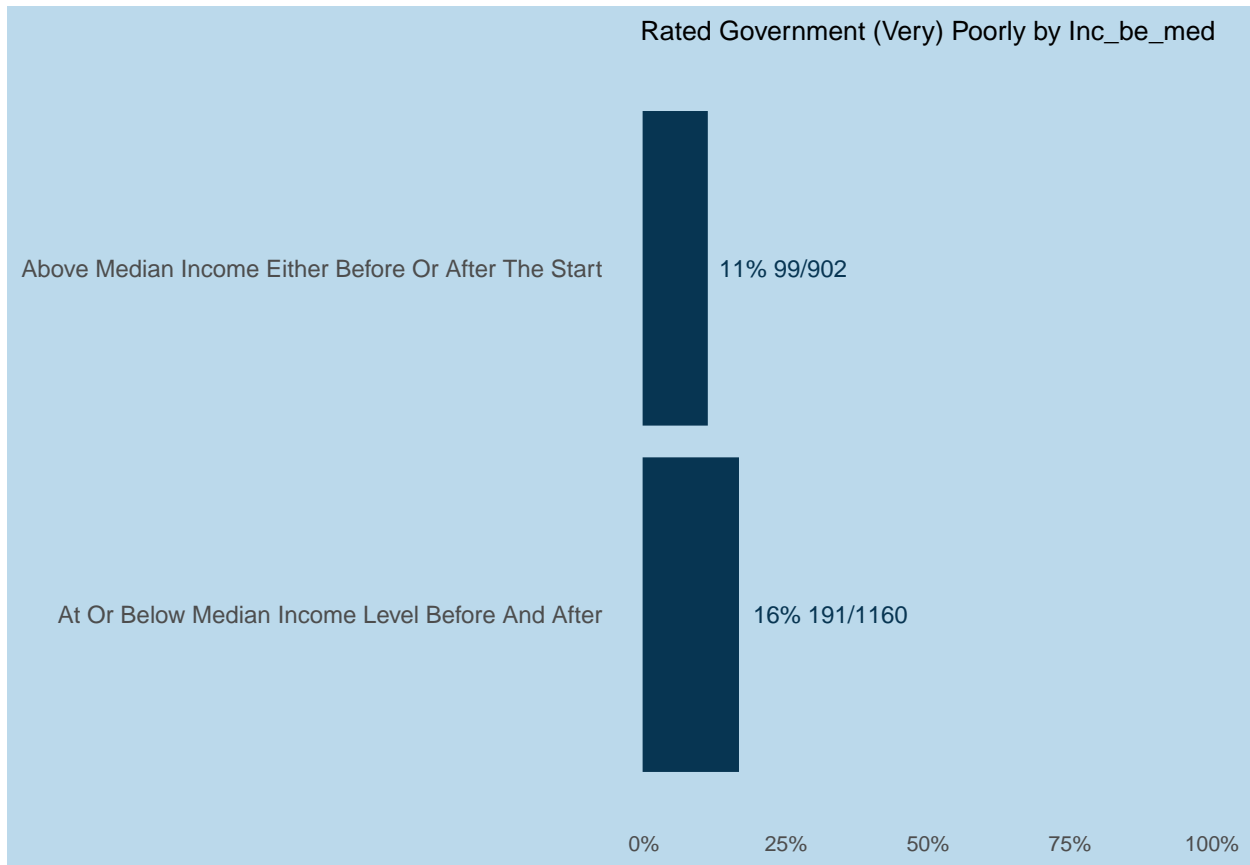
1. Find proportion of people who gave a low rating to State & Federal Government [31] a. Find subset of population who have below median income [13] b. Compare the groups below and above median income groups on the basis on their participation in political advocacy.

```
wrangled %>% summarize(across(contains("inc_be_med"), mean, na.rm = TRUE))
```

```
## # A tibble: 1 x 3
##   inc_be_med_before inc_be_med_after inc_be_med
##           <dbl>           <dbl>     <dbl>
## 1           0.598           0.612     0.565
```

```
make_plots(wrangled, "inc_be_med", "rate_gov_all_bad", title = "Rated Government (Very) Poorly")
```

```
## $inc_be_med
## $inc_be_med$plot
```



```
##
## $inc_be_med$p.values
## $inc_be_med$p.values$rate_gov_all_bad
##
## above median income either before or after the start 0.0004
## at or below median income level before and after 0.0004
##
## above median income either before or after the start 0.0004
## at or below median income level before and after 0.0004
```

8.3) Find source of aid for all these requirements[33]

1. Find proportion of respondents which look towards other sources for each of these categories

- (i) Local Transport
- (ii) Utilities
- (iii) Healthcare (iv) Food

(iv) Clean Water

vi) Adultcare (vii)Childcare (viii)Stress or Emotional Support

2. Run distribution over each help source from Government, Friends and Family, Community Organizations, Corporate/Business, Faith-Based
3. Run sub demographics by each category

```
wrangled %>% select(starts_with("lr_"))
```

```
## # A tibble: 2,145 x 60
##   lr_stress          lr_stress_fb lr_stress_np lr_stress_gov lr_stress_corp
##   <chr>              <int+lbl>    <int+lbl>    <int+lbl>    <int+lbl>
## 1 community non-profits 0 [not 'fai~ 1 [communit~ 0 [not 'gove~ 0 [not 'corpo~
## 2 community non-profits 0 [not 'fai~ 1 [communit~ 0 [not 'gove~ 0 [not 'corpo~
## 3 friends/family        0 [not 'fai~ 0 [not 'com~ 0 [not 'gove~ 0 [not 'corpo~
## 4 community non-profits~ 0 [not 'fai~ 1 [communit~ 1 [governmen~ 1 [corporate/~
## 5 friends/family        0 [not 'fai~ 0 [not 'com~ 0 [not 'gove~ 0 [not 'corpo~
## 6 community non-profits~ 0 [not 'fai~ 1 [communit~ 0 [not 'gove~ 0 [not 'corpo~
## 7 community non-profits~ 0 [not 'fai~ 1 [communit~ 1 [governmen~ 1 [corporate/~
## 8 friends/family        0 [not 'fai~ 0 [not 'com~ 0 [not 'gove~ 0 [not 'corpo~
## 9 friends/family        0 [not 'fai~ 0 [not 'com~ 0 [not 'gove~ 0 [not 'corpo~
## 10 friends/family       0 [not 'fai~ 0 [not 'com~ 0 [not 'gove~ 0 [not 'corpo~
## # ... with 2,135 more rows, and 55 more variables: lr_stress_fam <int+lbl>,
## #   lr_stress_idk <int+lbl>, lr_trans <chr>, lr_trans_fb <int+lbl>,
## #   lr_trans_np <int+lbl>, lr_trans_gov <int+lbl>, lr_trans_corp <int+lbl>,
## #   lr_trans_fam <int+lbl>, lr_trans_idk <int+lbl>, lr_food <chr>,
## #   lr_food_fb <int+lbl>, lr_food_np <int+lbl>, lr_food_gov <int+lbl>,
## #   lr_food_corp <int+lbl>, lr_food_fam <int+lbl>, lr_food_idk <int+lbl>,
## #   lr_wtr <chr>, lr_wtr_fb <int+lbl>, lr_wtr_np <int+lbl>, ...
```

```
wrangled %>% mutate(across(starts_with("lr_") & is.labelled, as.integer)) %>%
  pivot_longer(is.integer & starts_with("lr_")) %>%
  select(name,value) %>%
  mutate(name = str_replace(name, "lr_", "")) %>%
  filter(str_detect(name, "_")) %>%
  separate(name, into = c("area", "resource")) %>%
  group_by(area, resource) %>%
  summarize(n = sum(value, na.rm = TRUE)) %>%
  group_by(area) %>% #mutate(denom = sum(n)) %>%
  arrange(area, desc(n)) %>%
  #filter(row_number() <= 1) #>%
  ungroup() %>%
  ggplot(aes(x = area, y = resource)) + geom_point()
```

