

PolitiFact Analysis

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```
pf_mega <- read_csv("pf_mega_location.csv")

## Rows: 2468 Columns: 52

## -- Column specification -----
## Delimiter: ","
## chr  (12): url, languageCode, publisher.name, publisher.site, text, claimant...
## dbl  (2): ...1, claimYear
## lgl  (36): Fear, Self/Personal Record, Opponent/Opponent's Record, Legislati...
## dtm  (2): reviewDate, claimDate

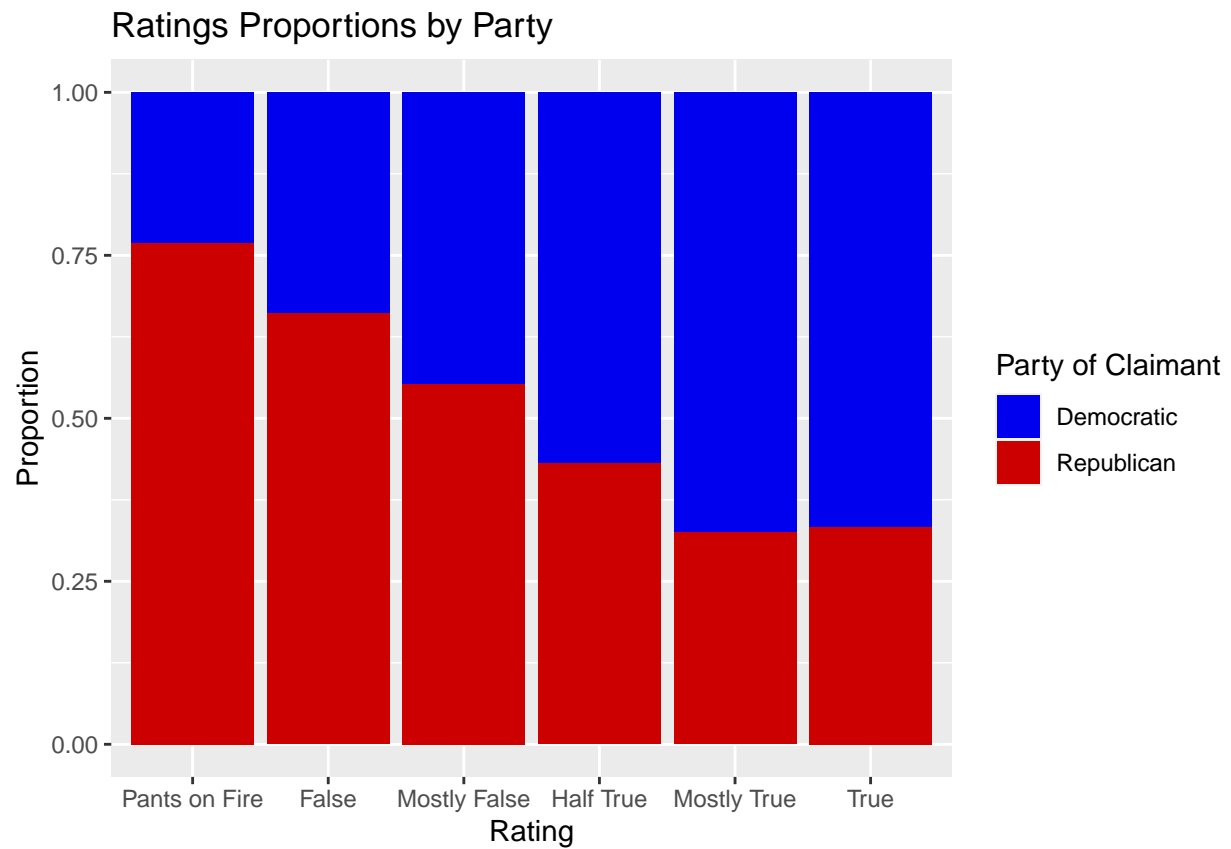
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.

truenesscolors = c("#FF0000", "#FF872C", "#FAB733", "#FDE64B", "#ACB334", "#69B34C")

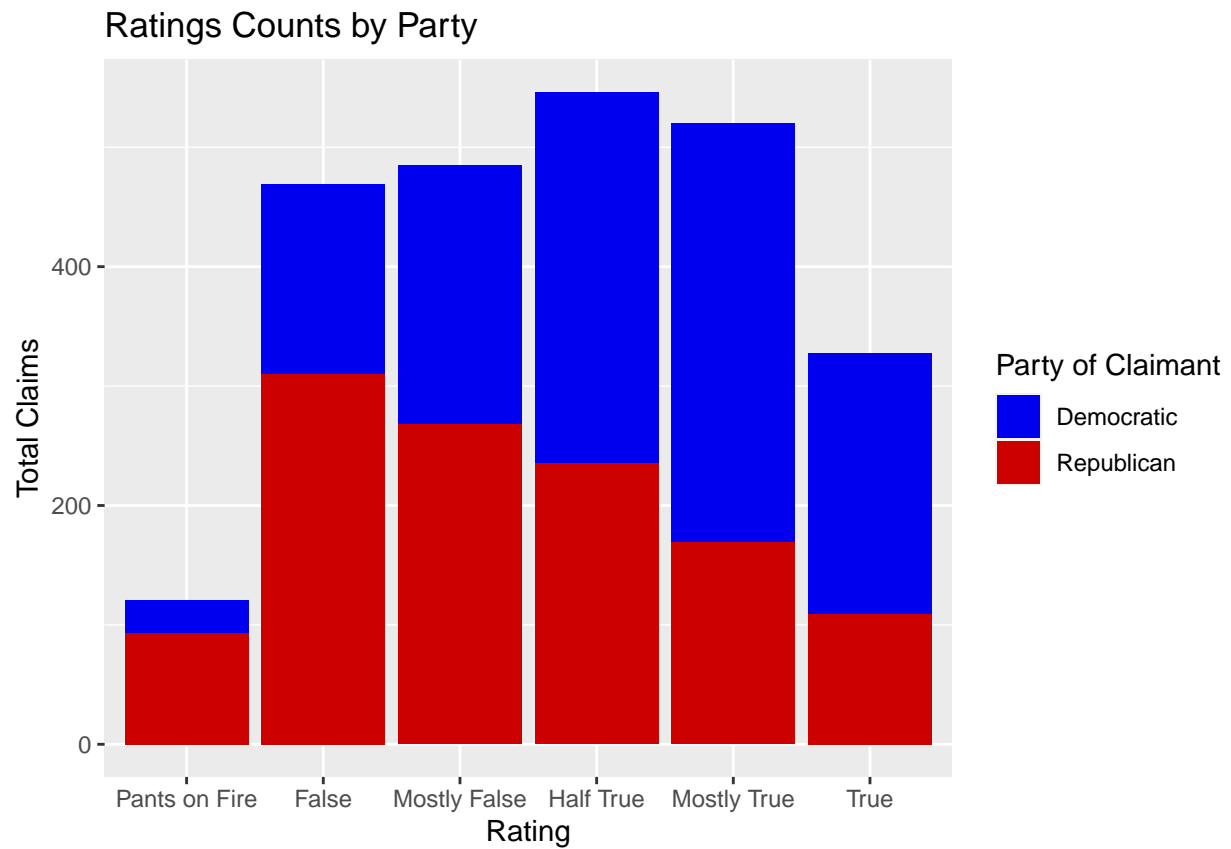
pf_mega$textualRating <- factor(pf_mega$textualRating,
                              levels = c("Pants on Fire",
                                           "False",
                                           "Mostly False",
                                           "Half True",
                                           "Mostly True",
                                           "True"))

pf_mega$`Government Operations`[pf_mega$...1 == "3990"] <- "TRUE"

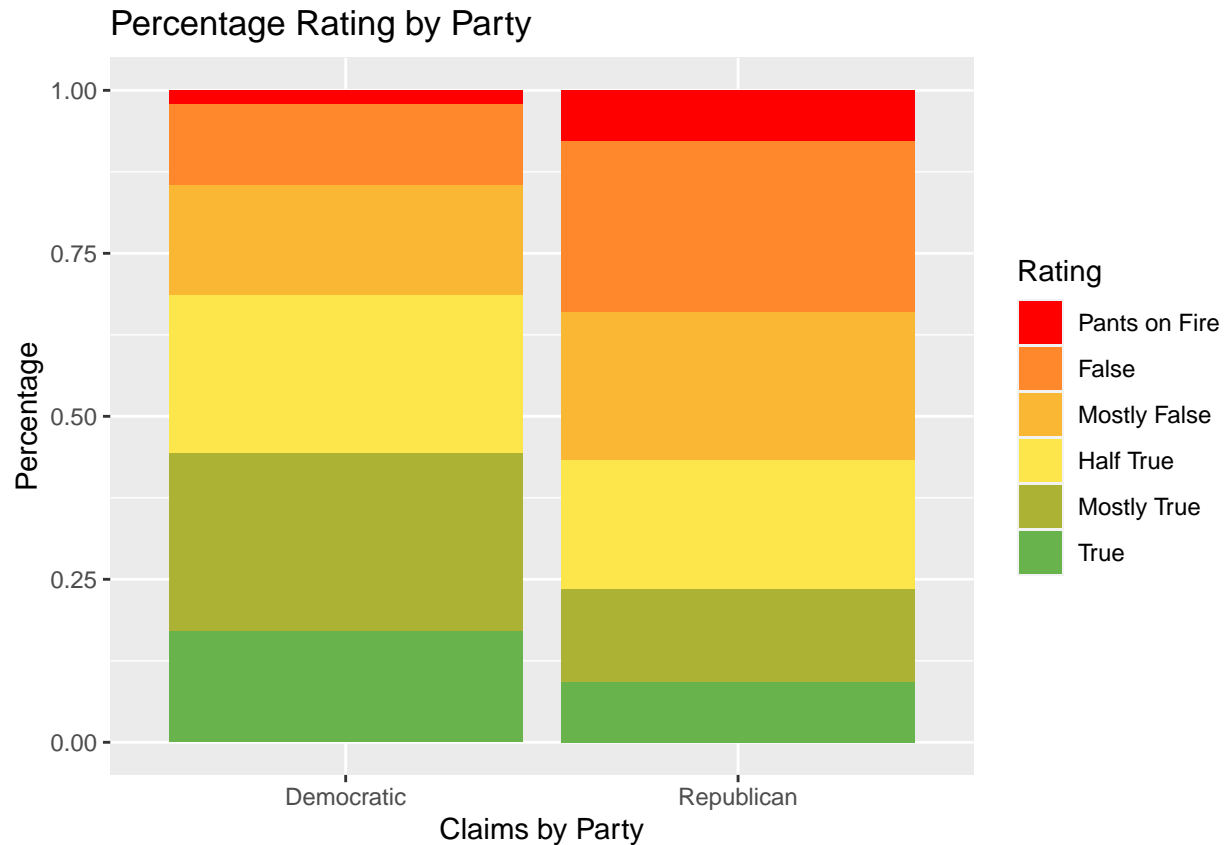
ggplot(pf_mega, aes(x = textualRating, fill = claimant_party)) +
  geom_bar(position = "fill") +
  scale_fill_manual(values = c("blue2", "red3")) +
  labs(title = "Ratings Proportions by Party",
       x = "Rating",
       y = "Proportion",
       fill = "Party of Claimant")
```



```
ggplot(pf_mega, aes(x = textualRating, fill = claimant_party)) +  
  geom_bar() +  
  scale_fill_manual(values = c("blue2", "red3")) +  
  labs(title = "Ratings Counts by Party",  
        x = "Rating",  
        y = "Total Claims",  
        fill = "Party of Claimant")
```



```
ggplot(pf_mega, aes(x = claimant_party, fill = textualRating)) +  
  geom_bar(position = "fill") +  
  labs(title = "Percentage Rating by Party",  
        x = "Claims by Party",  
        fill = "Rating", y = "Percentage") +  
  scale_fill_manual(values = truenesscolors)
```



```
pf_mega %>%
  count(claimant_party, textualRating) %>%
  pivot_wider(id_cols = c(claimant_party,
                          textualRating),
              names_from = textualRating,
              values_from = n,
              values_fill = 0) %>%
  kable(caption = "Fact-checks per rating by Party")
```

Table 1: Fact-checks per rating by Party

claimant_party	Pants on Fire	False	Mostly False	Half True	Mostly True	True
Democratic	28	159	217	311	351	218
Republican	93	310	268	235	169	109

```
binarytest <- pf_mega %>%
  mutate(Fear = case_when(Fear == TRUE ~ 1,
                          Fear == FALSE ~ 0)) %>%
  mutate(Legislation = case_when(Legislation == TRUE ~ 1,
                                 Legislation == FALSE ~ 0)) %>%
  mutate(`Self/Personal Record` = case_when(`Self/Personal Record` == TRUE ~ 1,
                                              `Self/Personal Record` == FALSE ~ 0)) %>%
  mutate(`Opponent/Opponent's Record` = case_when(`Opponent/Opponent's Record` == TRUE ~ 1,
                                                    `Opponent/Opponent's Record` == FALSE ~ 0)) %>%
```

```
select(Fear, Legislation, `Self/Personal Record`, `Opponent/Opponent's Record`, claimant_party) %>%
  filter(!is.na(Fear))

macro_tibble <- binarytest %>%
  group_by(claimant_party) %>%
  summarize(Fear = sum(Fear), Legislation = sum(Legislation), "Self/Personal Record" = sum(`Self/Personal Record`))

macro_tibble <- t(macro_tibble)
```