week1_assignment

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obtaining and consolidating 538 primary data

This data was used in the article 2022 Is Not Another 'Year Of The Woman'

code

```r
republican_data <- read.csv("rep_candidates.csv")
democrat_data <-  read.csv("dem_candidates.csv")
# install.packages("dplyr")
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```r
glimpse(republican_data)
```

```
## Rows: 1,599
## Columns: 27
## $ Candidate            <chr> "Aditya \"A.D.\" Atholi", "Joe McDaniel", "Natha~
## $ Gender               <chr> "Male", "Male", "Male", "Male", "Male", "Male", ~
## $ Race.1               <chr> "Asian (Indian)", "White", "White", "White", "Wh~
## $ Race.2               <chr> "", "", "", "", "", "", "", "", "", "", "", "", ~
## $ Race.3               <chr> "", "", "", "", "", "", "", "", "", "", "", "", ~
## $ Incumbent            <chr> "No", "No", "No", "No", "Yes", "No", "No", "No",~
## $ Incumbent.Challenger <chr> "No", "No", "No", "No", "No", "Yes", "Yes", "Yes~
## $ State                <chr> "Texas", "Texas", "Texas", "Texas", "Texas", "Te~
## $ Primary.Date         <chr> "3/1/22", "3/1/22", "3/1/22", "3/1/22", "3/1/22"~
## $ Office               <chr> "Representative", "Representative", "Representat~
## $ District             <chr> "1", "1", "1", "1", "2", "2", "2", "2", "3", "3"~
## $ Primary.Votes        <chr> "6,186", "19,708", "51,312", "4,238", "45,863", ~
## $ Primary..            <chr> "8%", "24%", "63%", "5%", "74%", "17%", "5%", "4~
## $ Primary.Outcome      <chr> "Lost", "Lost", "Won", "Lost", "Won", "Lost", "L~
## $ Runoff.Votes         <chr> "N/A", "N/A", "N/A", "N/A", "N/A", "N/A", "N/A",~
## $ Runoff..             <chr> "N/A", "N/A", "N/A", "N/A", "N/A", "N/A", "N/A",~
## $ Runoff.Outcome       <chr> "N/A", "N/A", "N/A", "N/A", "N/A", "N/A", "N/A",~
```

```
## $ X2020.Election.Stance <chr> "No comment", "Raised questions", "Raised questi~
## $ Trump               <chr> "N/A", "N/A", "N/A", "N/A", "N/A", "N/A", "N/A",~
## $ Trump.Date          <chr> "N/A", "N/A", "N/A", "N/A", "N/A", "N/A", "N/A",~
## $ Club.for.Growth      <chr> "N/A", "N/A", "N/A", "N/A", "N/A", "N/A", "N/A",~
## $ Party.Committee      <chr> "N/A", "N/A", "N/A", "N/A", "N/A", "N/A", "N/A",~
## $ Renew.America        <chr> "N/A", "N/A", "N/A", "N/A", "N/A", "N/A", "N/A",~
## $ E.PAC               <chr> "N/A", "N/A", "N/A", "N/A", "N/A", "N/A", "N/A",~
## $ VIEW.PAC            <chr> "N/A", "N/A", "N/A", "N/A", "N/A", "N/A", "N/A",~
## $ Maggie.s.List       <chr> "N/A", "N/A", "N/A", "N/A", "N/A", "N/A", "N/A",~
## $ Winning.for.Women    <chr> "N/A", "N/A", "N/A", "N/A", "N/A", "N/A", "N/A",~
```

```r
#check which columns are in common
(common_columns <- intersect(names(republican_data),names(democrat_data)))
```

```
##  [1] "Candidate"           "Gender"             "Race.1"
##  [4] "Race.2"              "Race.3"             "Incumbent"
##  [7] "Incumbent.Challenger" "State"             "Primary.Date"
## [10] "Office"              "District"           "Primary.Votes"
## [13] "Primary.."           "Primary.Outcome"    "Runoff.Votes"
## [16] "Runoff.."            "Runoff.Outcome"     "Party.Committee"
```

```r
#append to a single dataframe

rep_common_cols <- republican_data[,common_columns] %>% mutate(party ="republican")

dem_common_cols <- democrat_data[,common_columns] %>% mutate(party ="democrat")

both_party_data <- rbind(dem_common_cols,rep_common_cols)
```

finding and reccomendations