

# Group Project

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## Input data

```
## setting working directory
setwd("C:/git/statsGroupProject/R")
## input data
load("ces.RData")
```

## Variables to fact

```
## input data
load("ces.RData")

## Region
ces$region <- factor(ces$region,
  levels = 1:4,
  labels = c("Northeast", "Midwest", "South", "West")
)

## Gender
ces$gender <- factor(ces$gender,
  levels = 1:2,
  labels = c("Male", "Female")
)

## Education
ces$educ <- factor(ces$educ,
  levels = 1:6,
  labels = c("No HS", "High School Graduate", "Some college", "2-year degree", "4-year degree", "Post")
)

## Race
ces$race <- factor(ces$race,
  levels = 1:8,
  labels = c("White", "Black", "Hispanic", "Asian", "Native American", "Middle Eastern", "Two or more")
)

## Hispanic
ces$hispanic <- factor(ces$hispanic,
```

```

    levels = 1:2,
    labels = c("Yes", "No")
)

## Homeowner
ces$ownhome <- factor(ces$ownhome,
  levels = 1:3,
  labels = c("Own", "Rent", "Other")
)

## Neighborhood Type
ces$urbancity <- factor(ces$urbancity,
  levels = 1:5,
  labels = c("City", "Suburb", "Town", "Rural Area", "Other")
)

## Union
ces$unionhh <- factor(ces$unionhh,
  levels = 1:2,
  labels = c("Yes", "No")
)

## Religious
ces$religious <- factor(ces$religious,
  levels = 1:4,
  labels = c("Very important", "Not too important", "Not too important", "Not at all important")
)

ces[1:4, ]

```

```

##   ...1 gender      educ  race hispanic    region medicare ACA abortion EPA
## 1    1  Male 2-year degree White      No Northeast      0  0      0  1
## 2    2 Female Post-grad White      No    South      1  0      0  1
## 3    3 Female 4-year degree White      No  Midwest      1  0      1  1
## 4    4 Female 4-year degree White      No Northeast      1  1      1  1
##  police_incr police_decr trade minwage work_req residency pid3 pid7 ownhome
## 1          1          0    1      0      0          6    2    6    Rent
## 2          0          1    0      1      1          4    1    1    Rent
## 3          0          1    1      1      0          4    3    3    Rent
## 4          0          1    1      1      0          6    1    1    Own
##  urbancity unionhh      religious ideo5 faminc voted meeting sign
## 1    Suburb    <NA> Not at all important    4      2    1      0    0
## 2    Suburb    <NA> Not too important    1      7    0      0    0
## 3      <NA>    <NA> Very important    3      7    0      0    0
## 4 Rural Area    Yes  Not too important    3     10    1      0    0
##  campaign protest contact donate commonweight age
## 1          0          0      0      0    0.7825103 54
## 2          0          0      0      1    1.3444245 65
## 3          0          0      0      1    0.4055196 74
## 4          0          0      0      0    0.9577344 58

```