# R Notebook

```
library(ggplot2)
library(readr)
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
```

```
contributions <- read_csv("contributions.csv",
                          col_types = cols(
                            contributor_lastname = col_skip(),
                            contributor_firstname = col_skip()),
                          na = "0")

committees <- read_csv("committees.csv",
                       col_types = cols(),
                       na = "0")

outcomes <- data.frame(
  prop=c(seq(51,67)),
  outcomes=c(1,1,0,1,1,1,1,1,1,0,0,0,1,1,0,1,1)
  )
```

```
## X : full dataset
X = merge(committees, contributions, by = "calaccess_committee_id")

## X2 : modeling subset
X2=data_frame("amount"=X$amount,
                "zip"=X$contributor_zip,
                "prop"=X$prop_name,
                "number"=X$ccdc_prop_id-19,
                "founder"=X$contributor_is_self_employed,
                "job"=X$contributor_occupation,
                "stance"=X$committee_position,
                "size"=abs(amount))
```

```
## Warning: `data_frame()` is deprecated as of tibble 1.1.0.
## Please use `tibble()` instead.
## This warning is displayed once every 8 hours.
## Call `lifecycle::last_warnings()` to see where this warning was generated.
```

```r
## X3 : Missing Data Subset
X3 = X2[is.na(X2$amount),]

## X4 : Logistic Modeling & T-test View
X4 = cbind(outcomes, X2 %>% filter(!is.na(size)) %>% group_by(number) %>% summarize("sum"=sum(size)))

print(X4)
```

```
##    prop outcomes number         sum
## 1    51        1     51  13059942.8
## 2    52        1     52  16283139.6
## 3    53        0     53  22340500.0
## 4    54        1     54    152179.0
## 5    55        1     55  56658726.7
## 6    56        1     56  88369291.7
## 7    57        1     57  20098369.7
## 8    58        1     58   4409450.0
## 9    59        1     59    260665.3
## 10   60        0     60   5034221.0
## 11   61        0     61 127314767.2
## 12   62        0     62  32841378.2
## 13   63        1     63   3552196.7
## 14   64        1     64  35479617.6
## 15   65        0     65   2681413.2
## 16   66        1     66  34295939.3
## 17   67        1     67   4470574.0
```