Data visualization

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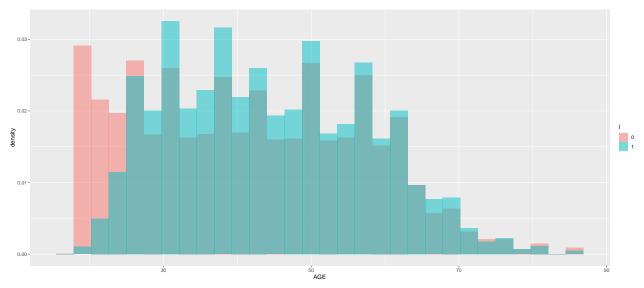
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(This pdf is gonna show some demo)

Data visualization

```
library(ggplot2)
X = read.csv('train_xx.csv')
Y = read.csv('train_y.csv')
1 = sapply(Y$label, as.character)
data = data.frame(X,Y$label,1)
```

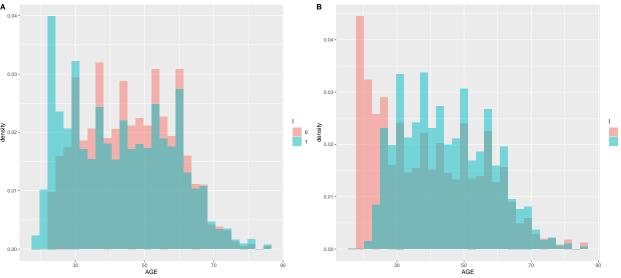
Generate a graph with x-axis being the age period, and condition on only showing those with positive WAGP Red one with label 0; Blue one with label 1.



Generate a graph with x-axis being the age period, and condition on only showing those with positive WAGP Red one with label 0; Blue one with label 1.

Left one is incorrectly fitted

Right one is correctly fitted



This one detects correlation.

Data correlation

```
# Should be dropped
library(caret)

## Loading required package: lattice

Cor = function(dataset) {
    print(names(dataset)[findCorrelation(cor(dataset))])
}

Cor(X)

## [1] "NET" "AGE_N" "N_I" "INCOME" "S_I" "N_N" "S_N" "AGE_I"
## [9] "NS_I" "ASSIST" "CITSHP"
```