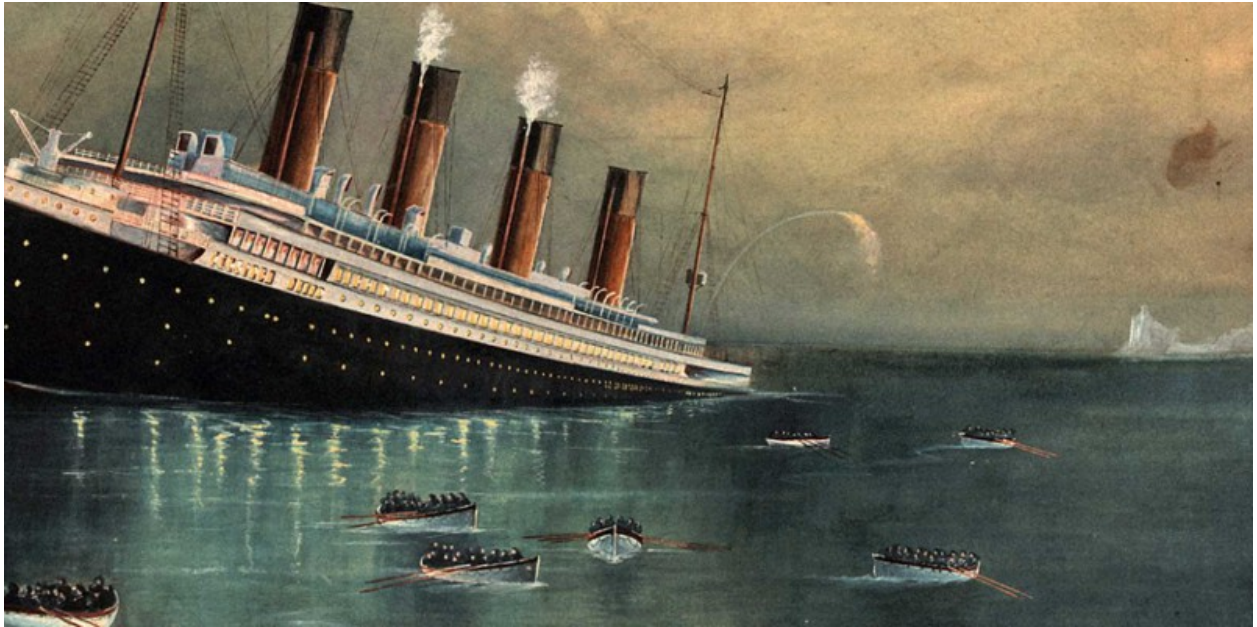


Logistic Regression Algorithm

Using Titanic Data

Author : Rose Ellison



The Intuition

fdjks jsdfs fjsdfjasdsja

Step One: ndsjk jds ksd jdsk jsda jdksl;

Step Two : fjsk fjkdsf fjkdsa

Step Three : fjdsk fjk hdksa

- **3A :** fhjdksfj kds fjk fjkds fjkdas jka

SomeCalculation

- **3B :** hfksd hjks
- **3C :** f dsjkhjdsk hdjks hdsk
- **3D :** h djsk jskd hjks hdksa

Exploration

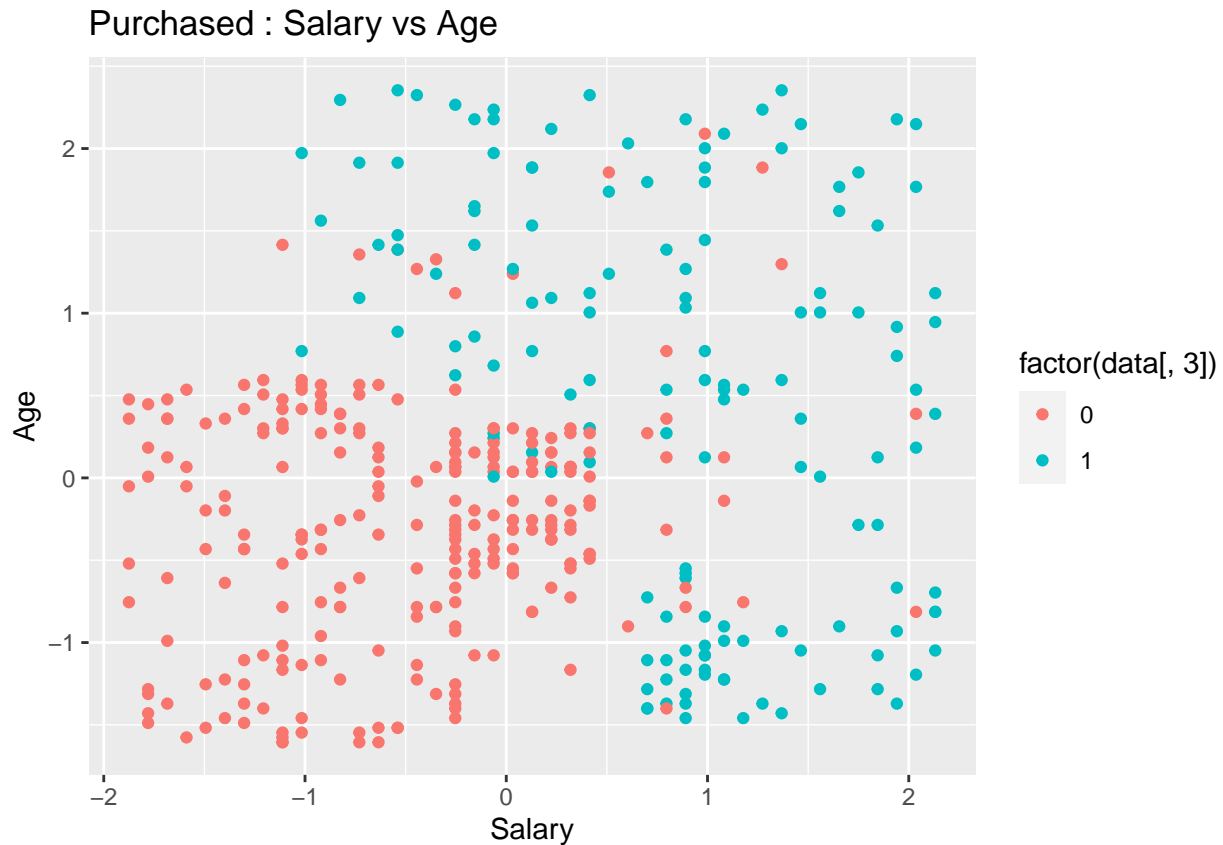
hdjkshjksd hdjksa hjkds hajk

Preprocessing

```
# Read the data
data = read.csv('../_resources/data/Social_Network_Ads.csv')
data <- data[, 3:5]
# Feature Scaling
data[-3] = scale(data[-3])
```

Plot

```
ggplot(data,aes(x = data[, 1],  
                y = data[, 2],  
                color = factor(data[, 3]))) +  
  geom_point() +  
  labs(x = "Salary",  
        y = "Age") +  
  ggtitle("Purchased : Salary vs Age")
```



h dsjkhksda hdksa

Implementation

Step One :

fdshjk fgdhjs hjsad

```
# Splitting test and training sets  
split <- sample.split(data[, 3], SplitRatio = 0.8)  
training <- subset(data, split == TRUE)  
test <- subset(data, split == FALSE)
```

Step Two :

bdhsjk fhdjska

Step Three :

bfhdsj fsdhal s

3A.)

4A.)

Results

fbjds hjdsk hdjksa ak