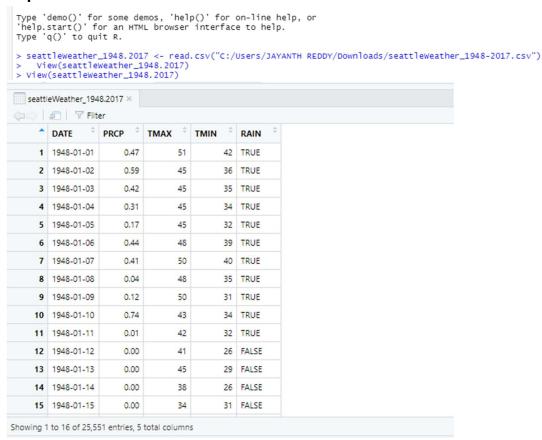
K.Gokul 19BCD7006

1. import dataset



2. Dimensions of dataset

3. Top view of data

- 4. seattleWeather_1948.20171 <- seattleWeather_1948.2017[-c(which(is.na(seattleWeather_1948.2017\$RAIN))),]</p>
- 5. > dim(seattleWeather_1948.2017)

```
> seattleweather_1948.20171 <- seattleweather_1948.2017[-c(which(is.na(seattleweather_1948.2017$RAIN))),]
    > dim(seattleweather_1948.20171)
    [1] 25548
6. Loading necessary libraries
   > library(caret)
   Loading required package: ggplot2
Need help? Try Stackoverflow: https://stackoverflow.com/tags/ggplot2
   Loading required package: lattice
   warning message:
package 'caret' was built under R version 4.1.3
   package caret was built under k version 4.1.3
    > index <- createDataPartition( seattleWeather_1948.20171$RAIN, p = 0.8, list = FALSE)
    > # Training dataset
    > seattleweather_1948.20171_train <- seattleweather_1948.20171[index,]
    > dim( seattleweather_1948.20171_train)
    [1] 20439
   > View(index)
   >
   > View(index)
   > seattleweather_1948.20171_test <- seattleweather_1948.20171[-index,]
   > dim(seattleweather_1948.20171_test)
    [1] 5109
     seattleWeather_1948.2017 × index ×
     * Resample1
                    2
        3
         4
                    5
                    7
        5
         6
                    8
        7
                    9
         8
                   10
         9
                   11
        10
                   12
        11
                   13
                   14
        12
        13
                   15
        14
                   16
        15
                   17
    Showing 1 to 16 of 20,439 entries, 1 total columns
     > cat("Confusion_Matrix:")
     Confusion_Matrix:
   > cat("Accuracy of the Model:")
   Accuracy of the Model:
    > conf_matrix
```

sw1_pred FALSE TRUE FALSE 9124 2066 2595 6654

TRUE

```
> cat("Sensitivity of the Model:")
Sensitivity of the Model:
>

> accuracy
[1] 0.7719556

Error: object 'conf_matrix' not found
> cat("Specificity of the Model:")
Specificity of the Model:")
Specificity of the Model:
> |

all arguments must have the same rength
> cat("Confusion_Matrix_test_val:")
Confusion_Matrix_test_val:
> |
> set.seed(4400)
> accuracy_val<-(conf_matrix_val[1,1]+conf_matrix_val[2,2])/(sum(conf_matrix_val))
Error: object 'conf_matrix_val' not found
> cat("Accuracy of the Model_test_val:")
Accuracy of the Model_test_val:")
```