# ASSIGNMENT 7.4

## 5. PROBLEM STATEMENT

### 1. a. Read the dataset and identify the right features.

Ans:- str(dataset)

### b. Clean dataset, impute missing values and perform exploratory data analysis.

Ans:- dataset(na.rm = T)

### c. Visualise the dataset and make inferences from that.

Ans:- hist(dataset,col = “red”)

### d. Perform any 3 hypothesis tests using columns of your choice, make conclusions.

Ans:- t.test(dataset, mu = 40)

### e. Create a linear regression model to predict the number of comments in the next 24 hours.

Ans:- mod = lm(dataset)

mod()

### f. Plot the model result and compare it with assumptions of the model.

Ans:- plot(dataset, col = “red”)