# ASSIGNMENT 9.2

## 5.PROBLEM STATEMENT

### 1. Use the below given dataset

### 2 .a. Create classification model using different decision trees.

Ans:- library(caret)

library(rpart.plot)

### b.Verify model goodness of fit

Ans:- num\_of\_samples = 1000  
x <- rgamma(num\_of\_samples, shape = 10, scale = 3)  
x <- x + rnorm(length(x), mean=0, sd = .1)

### c. Apply all the model validation techniques.

Ans:-

### d. Make conclusions.

Ans:-