**PACKAGES USED-**

1. RPART

install.packages("rpart", dependencies = T)

1. CARET

install.packages("caret")

1. RANN

install.packages("RANN")

1. NEURALNET

install.packages("neuralnet", dependencies = T)

1. E1071

install.packages("e1071", dependencies = T)

1. RPART.PLOT

install.packages("rpart.plot", dependencies = T)

**HOW TO RUN AMD COMPILE CODE:**

1. You should have Rstudio installed
2. Import the dataset in the Rstudio using URL: **http://archive.ics.uci.edu/ml/machine-learning-databases/ionosphere/ionosphere.data**
3. Open the R code files in the Rstudio
4. Run each file **in the given order –**
5. Preprocess.R,
6. decisionTree.R
7. NEURAL NET.R
8. Perceptron.R
9. NAÏVE BAYES.R
10. SVM.R