**ML – Classifier**

* **Objective:**
  + ML-Classifier is a tool which provides the accuracy of different ML-classification-algorithms (Logistic Regression, K-NN, VMS, etc.) on the required dataset and thus, help to save time of the user by telling him the model which gives the best accuracy without making the creator to manually apply the different models.
* **Scientific Goal:**
  + The goal of this project is to provide a tool for the ML-model creators or data scientists to speed up their work by letting them know which ML-model works the best for their dataset. This can also be used by user to see and understand how different models work differently on different datasets and find optimum algorithm.
* **Business Requirement:**
  + While making a ML-model for predicting future results based on the previous data the biggest challenge is to find out which ML-model should we use so as to get the best accuracy without overfitting. To do so one needs to apply all the ML-models manually and test their accuracy for their dataset and as the accuracy of each ML-model changes with change in dataset so it is a very time-consuming task applying codes of each model on each dataset.
  + ML- Classifier is a GUI which do the work of testing the accuracy of each model on the dataset and saves a lot of time.
* **Features and attributes of dataset:**
  + Features and attributes of the dataset will depend on the dataset supplied by the user. Thus, this tool will do general analysis on each type of dataset based on the user’s requirement.
* **Predictions and Estimations:**
  + The only prediction this tool will make will be of the accuracy of different ML-models on different datasets. This tool will help the user to decide which model to use on their dataset for getting best result.