Loop until all combination of features

OUTPUT

Model creation

Feature Selection

Selecting a subset of minimum of 3 attributes from 13 attributes

Data mining algorithm Selection

10 – Fold cross validation on:

1. KNN
2. Decision Tree
3. Naive Bayes
4. Logistic Regression (LR)
5. Support Vector Machine (SVM)
6. Neural Network
7. Vote

Pre-Processing:

* Removal of record with missing data
* Convert multi-class classification into binary classification
* Data preparation for classification models

UCI Cleveland Dataset

Performance of the model recorded:

* Accuracy
* Precision
* F-measure

Model