**Predict Movie Success milestone(2)**

Chart, bar chart

Description automatically generated

Chart, bar chart, waterfall chart

Description automatically generated

Chart, bar chart

Description automatically generated

**Hyper Parameters**

1. KNN Neighbors (N)

N = 23 => Accuracy = 0.6

N = 13 => Accuracy = 0.58

N = 3 => Accuracy = 0.52

1. Regularization parameter ©

C = 1 => Accuracy = 0.6

C = 0.001 => Accuracy = 0.58

C = 0.000001 => Accuracy = 0.53

**Conclusion**

we classify the data and fit it using three model and get the best one.

The SVM is the best model which get accuracy 0.64 at testing time = 0.14 and training time = 0.72

Logistic Regression has accuracy 0.61 at testing time = 0.08 and training time = 0.08

KNN has accuracy 0.59 at testing time = 0.5 and training time = 0.03