TITLE :- Mobile price prediction

Description :- In this project we are trying to predict range of price of mobile phones . i.e . we are trying to predict if price of phone is 0(low) ,1(medium) , 2(high) ,3(very high).

So we are trying to classify the price of phone in above four range .

This classification is mainly based on different features afforded by phones like :- battery power , dual sim ,four G, ram ,memory etc .

So we have used support vector machine algorithm (SVM) , Naive Bayes algorithm and also tried logistic regression

We are doing classification in four ranges 0,1,2 and 3 and we used above three algorithm for that .

So we got accuracy, precision and recall of Naive Bayes is about

Accuracy : 80.0

Precision : 80.24483239150527

Recall : 80.0

accuracy, precision and recall of SVM is about

output :- Accuracy : 97.0

Precision : 97.02847500370865

Recall : 97.0

accuracy, precision and recall of logistic regression is about

Output :- Accuracy of the Logistic Regression Model:= 93.75%

Precision : 93.12795155159847%

Recall : 93.0%

SVM tries to finds the “best” margin (distance between the line and the support vectors) that separates the classes and this reduces the risk of error on the data, while logistic regression does not, instead it can have different decision boundaries with different weights that are near the optimal point.