**MOBLIE PRICE PREDICTION**

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**Abstract**

To predict “If the mobile with given features will be Economical or Expensive” is the main motive of this research work. Real Dataset is collected from Almabetter Different feature selection algorithms are used to identify and remove less important and redundant features and have minimum computational complexity. Different classifiers are used to achieve as higher accuracy as possible. Results are compared in terms of highest accuracy achieved and minimum features selected. Conclusion is made on the base of best feature selection algorithm and best classifier for the given dataset.

**Problem statement**

The data contains information regarding mobile phone features, specifications etc and their price range. The various features and information can be used to predict the price range of a mobile phone.

**EDA performed**

After loading the dataset we performed this method by comparing our target variable that is price range with other independent variables. This process helped us figuring out various aspects and relationships among the target and the independent variables. It gave us a better idea of which feature behaves in which manner compared to the target variable.

Our main motive through this step was to scale our data into a uniform format that would allow us to utilize the data in a better way while performing fitting and applying different algorithms to it.

The basic goal was to enforce a level of consistency or uniformity to certain practices or operations within the selected environment.

**Conclusion**

Starting with loading the data so far we have done EDA , null values treatment, encoding of categorical columns, feature selection and then model building.

In all of these models our accuracy revolves in the range of 80 to 92%..

So the accuracy of our best model is 92% which can be said to be good for this large dataset.

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| **GITHUB:** https://github.com/Suryaa1309/Mobile-Price-prediction |