Exploratory anaysis on mobile phone price data

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1 Introduction

The mobile price prediction dataset contains 20 different features of mobile phones. The aim of the project is estimate the price pool of a given mobile phone based on the said features. The mobile phones are categorized into 4 categories based on their price (cheap, moderate, economical and, expensive).
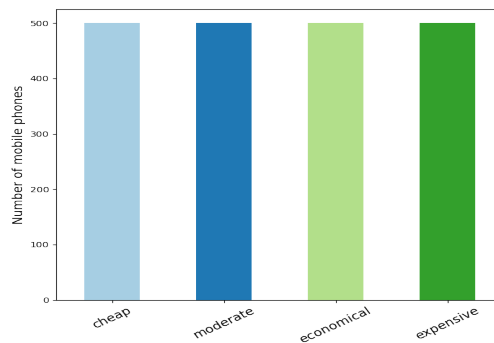

Figure 1: Distribution of data

2 Plans

The tentative plans for this project include:

- Visualize the data using python libraries like pandas and matplotlib.

- Apply different ML techniques on the data and get preliminary results.

- Choose the best model which works best on this dataset and try to maximise its performance.

3 Initial Results

Initial results with some ML models (accuracy) are:

- Logistic Regression : 77%

- Decision Tree : 85%