

Project (Smart phones prices)

Project Requirements.

1. Preprocessing: Before building your classification models, you need to make sure that the dataset is processed, clean and ready-to-use.
 - You should try different feature engineering techniques including data imputation, data cleaning, data encoding, feature selection, etc.
2. Classification:
 - Train at least 3 different classification models.
 - Choose at least two hyperparameters to vary, and explain the impact of varying those two hyperparameters with different values.
 - Train the models on the given training set (`train_data.csv`) and evaluate the model on the given testing set (`test_data.csv`).
3. Report:
 - You must explain in details the preprocessing techniques that you applied on the dataset before the modeling step.
 - Perform analysis and visualizations on the dataset and explain how features affect each other.
 - State the models and hyperparameters used in the modeling step

- Mention any other techniques that you used to enhance the results.
- Write a final conclusion.

Note:

- Any additional models and not trivial preprocessing techniques that is not discussed in labs will be considered bonus.
- Good GUI/deployment will also be considered bonus.
- A portion of the marks will be based on individual evaluation.