

Question Answer on Cell Phone Price Prediction

1. How important and useful is this project based on the market demand?

As cell phones are the most used gadget, it's quite common that people want to know the cell phone prices based on distinctive features. In this project, I have tried to fit a model that will predict the cell phone price categories, based on its features, so people who are in the market can use this model to have overall price estimate based on features they are looking for.

2. What exactly are you doing in this project?

In this project, I have tried to fit a model that will predict the cell phone price categories, based on its features, so people who are in the market can use this model to have overall price estimate based on features they are looking for.

3. Is it possible to make a product or application using your project? If so, how?

Yes, using this model, we can make a price prediction tool, that will predict the prices of cell phones, based on the data.

4. How accurate is your prediction?

I have tried to fit two models on the cell phone data, the accuracy of the model came around 85% for Random Forest Classifier Model and 83% for Decision Tree Classifier Model.

5. Could your prediction be even more accurate?

Yes, as there is always a scope of improvement, I would say, the accuracy of my model that is around 85% can be increased to more than 90%, by introduction more features which have more influence on cell phone price and by doing better feature selection for the model.

6. What are the other models you can fit for this prediction?

The Random Forest Classifier model provides 85% accuracy, while I was fitting the model on cell phone price data, as other model I have also fit decision tree classifier model, but the accuracy is little less, i.e., 83%.

7. How have you chosen the features for the prediction?

I have used all the features for the prediction model.

8. How have you documented the project?

I have created a presentation along with that, I also committed all the codes to the github repository for future use.

9. Does this project help you in your career path?

I have done some analysis on unique features to understand which features are more important to decide the price of the cell phone, along with that, I have fitted two models to predict the price of cell phone. Overall, I learned a lot while working on this project; it will help in my career path.

10. Are there any ethical considerations? Please explain.

While implementing the prediction as an API, we must be careful on several things, as users will input about the mobile information and different feature-related information will be available on the server for all the user's personal mobile. So, the data must be purged in a timely manner. We must be careful not to collect user personal information tagged with the mobile as the scope of the application is only limited to cell phone price prediction.