Project Guidelines

Below are the steps that you need to perform in your final project on the dataset that is provided to you.

1. Give a short understanding of the data
    a. The business understanding of the dataset.
    b. The overview of all the attributes of the dataset.
    c. Glimpse of the values of the attributes.
2. Clean the dataset to prepare it for our data visualizations [Every attribute should be taken care of while cleaning the dataset]. Write one line on why you did it a specific way (if necessary).
3. Show us good meaningful visualizations to give us a complete idea of how your data looks like [Python & Tableau]
4. Deduce the features that have an impact on your dependent variable and select features that would contribute to your predictive model.
5. Feature engineering of your dataset to prepare it for your predictive model.
6. Run all the regression models on the training/validation data.
7. Calculate the error and chose your best model.
8. Show some visualization on predictive value vs actual value.
9. Predict the sale price of the houses in the future dataset.
10. Show visualizations of your prediction.

Guidelines

1. The entire project should be done in Python on Jupyter Notebook/Tableau.
2. The Project Submission would be done in 2 Sprints
    a) Sprint 1: Q1 – 4: October 27, 2022
    b) Sprint 2: Q5 – 10: December 2, 2022
3. The Project Presentation would be done in 2 Sprints
    a) Sprint 1: Q1 – 4: October 28, 2022
    b) Sprint 2: Q5 – 10: December 3, 2022
4. You need to come for 20 mins One – On – One Session with the Professor and present your project on the dates mentioned above.
5. If you cannot turn up for your Sprint, then you need to inform the professor beforehand with a valid reason, and we would accommodate you in a different session.
6. If you miss a sprint, then you would not be graded for the specific part even if you show it later or in the next Sprint.
7. There would be submission links to submit your project before you come for your sprint.
8. You need to submit the below
    a. The jupyter notebook with the code
    b. The presentation that you would be presenting
    c. Necessary document to support your project (if necessary)
9. On the presentation day, you need to present a PowerPoint Presentation.
10. You would be evaluated on both your session and what you submit.