Exploratory Data Analysis of Airbnb Listings

Course: Statistical Modeling

Assignment Description:

Objective:
The objective of this assignment is to provide students with analytical experience in conducting exploratory data analysis (EDA) on a real-world dataset. In this assignment, students will analyze Airbnb data to gain understanding on the data variables, occupancy rates, and other relevant factors that can help Airbnb hosts optimize their listings.

Dataset:
You will be provided with a dataset containing Airbnb listing information (**listing.csv**). The dataset includes details such as listing price, location, property type, and various other attributes related to the listings.

Tasks:

1. Analyze the data in excel sheet. (5 Points)
2. Go through each and every available column in the sheet and write down your comments (description of variables as per your understanding) for each of the variables by seeing their values and naming conventions used. Feel free to take the assumptions. (30 Points)
3. Suggest the possible analytical and statistical measures can be taken for these variables. ()
4. Create a final report (Tabular format - Variable name, Description, Comments, Suggested Statistical analysis or treatment if you think) mentioning your insights about each and every available variable. (10 Points)

Important Dates:
Assignment Release Date: Sep,13th 2023
Assignment Due Date: Sep,14th 2023

This assignment is designed to provide you with practical experience in conducting EDA on a real dataset and deriving meaningful insights from it. Feel free to reach out if you have any questions or need assistance during the process. Good luck!

NOTE :
1. *Use of Python is or any other programming language is strictly prohibited. Its a pure manual exercise.*
2. *Referring Kaggle or Similar websites for generating the report is not allowed and will be considered as unethical practice. If caught or any matches found with your report then it will invoke zero marks in the assignment.*
3. *Share the assignment @ kuls.utkarsh@gmail.com*

QUOTE : Earning is in Learning!!!