Real Estate Exploratory Data Analysis (EDA)

This project focuses on focusing on an Exploratory Data Analysis (EDA) on a residential real estate dataset.

Project Overview

Below tasks are performed for this project:

1. Loading the Data: Using Pandas dataframe we have loaded the dataset

2. Cleaning the Data: Below actions are performed on the dataset to clean the data

* Identifying missing values,
* Remove duplicates
* Address any anomalies present in the dataset to ensure data quality.

3. Univariate Analysis: Explored different individual variables to understand their characteristics and distribution Ex – House property

4. Multivariate Analysis: Using correlation matrices and heatmaps investigated relationship between multiple variables to check the impact on the property price

5. Feature Engineering: To intensify analysed data created new features such as per square foot price

6. Feature Engineering and Size Impact: Impact of the added feature on the property price analysed further specially with respect to the square footage

7.Market Trends and Historical Pricing: Historical data related with pricing explored

8. Customer Preferences and Amenities : Customer preferences and amenities against the property price analysed.

**Dependencies on important libraries**

- pandas

- numpy

- matplotlib

- seaborn

**References**

1. [www.geeksforgeeks.org](http://www.geeksforgeeks.org)
2. www. google.com
3. Next hike internship class videos