Housing Price Prediction

1. `Avg. Area Income`: This column typically represents the average income of residents in a particular area or neighborhood.

2. `Avg. Area House Age`: This variable may indicate the average age of houses or properties in the area.

3. `Avg. Area Number of Rooms`: This column might represent the average number of rooms in houses in the area.

4. `Avg. Area Number of Bedrooms`: This variable could represent the average number of bedrooms in houses in the area.

5. `Area Population`: This column typically represents the population of the area or neighborhood.

6. `Price`: This is the price of houses or properties in the area, often used as a target variable in real estate analyses.

7. `Address`: This column may contain the addresses or location descriptions of the properties, helping to identify their specific locations.

With the dataset containing columns related to residential properties, you can perform several real estate-related analyses and tasks to gain insights and make informed decisions. Here are some common actions you can take with this data:

1. \*\*Descriptive Analysis\*\*:

- Calculate summary statistics for numeric columns (e.g., `Avg. Area Income`, `Avg. Area House Age`, `Avg. Area Number of Rooms`, etc.) to understand the characteristics of the properties and the area.

- Create visualizations like histograms, box plots, and scatterplots to explore the distributions and relationships of the variables.

2. \*\*Property Valuation\*\*:

- Use the data to estimate property values or prices. This can involve developing pricing models based on property characteristics and market conditions.

3. \*\*Market Analysis\*\*:

- Analyze trends in the real estate market, such as how property values change over time or how different factors (e.g., house age) influence property prices.

4. \*\*Feature Selection\*\*:

- Identify the most relevant features that have the most impact on property prices or other real estate outcomes.

5. \*\*Price Prediction\*\*:

- Build predictive models to estimate property prices based on the provided features. Regression models are commonly used for this purpose.

6. \*\*Investment Decisions\*\*:

- Use the insights from the data to inform investment decisions in real estate, such as identifying areas with potential for property value appreciation.