**1. What are the key factors that influence house prices the most?**

• **Objective**: Identifying the most important features (e.g., number of bedrooms, square footage, location, etc.) that have the highest correlation with house prices.

• **Analysis**: Using correlation analysis and possibly regression models to determine the strongest predictors of house prices.

**2. How does the location impact house prices?**

• **Objective**: Explore how house prices vary across different geographical areas (e.g., neighborhoods, cities, or zip codes).

• **Analysis**: Group by location and compare the average or median house prices. These can also be visualized on a map using hvplot to show the geographic distribution of house prices.

**3. What is the relationship between house size (square footage) and price?**

• **Objective**: Determine whether there is a linear or non-linear relationship between house size and price.

• **Analysis**: Create scatter plots and run regression analysis to understand the relationship between house size and price. Calculate price per square foot as well.

**4. How do features like the number of bedrooms and bathrooms affect house prices?**

• **Objective**: Investigate how house prices vary based on the number of bedrooms, bathrooms, or other key features.

• **Analysis**: Creation of boxplots or bar charts to show the distribution of prices for houses with different numbers of bedrooms and bathrooms. Average price for each category will also be calculated

**5. Are there any outliers in the dataset, and how do they affect the overall analysis of house prices?**

• **Objective**: Identify any outliers in the dataset (e.g., extremely high or low house prices) and explore their potential impact on the overall analysis.

• **Analysis**: Usage of boxplots to visualize outliers and investigate whether these data points are influencing key statistics like mean and median. Will be tested to see if outliers are tied to specific features in the data