

Data Analysis in Excel Assignment: Zameen Property

Introduction:

Zameen.com, Pakistan's premier real estate portal, has provided a dataset containing property listings. Your task is to perform data analysis on this dataset to extract meaningful insights using the Excel functions you have learned.

Data Description:

The dataset comprises various details about properties listed on Zameen.com. Below are the columns available in the dataset:

1. **property_id**: Unique identifier for each property.
2. **location_id**: Identifier for the location of the property.
3. **property_type**: Type of property (e.g., Flat, House).
4. **price**: Listing price of the property.
5. **location**: Specific area or sector where the property is located.
6. **city**: City where the property is located.
7. **province_name**: Province where the property is located.
8. **latitude**: Geographical latitude of the property.
9. **longitude**: Geographical longitude of the property.
10. **baths**: Number of bathrooms.
11. **area**: Area of the property (combines both size and unit).
12. **purpose**: Purpose of the listing (e.g., For Sale).
13. **bedrooms**: Number of bedrooms.
14. **date_added**: Date when the property was added to the listing.
15. **Area Type**: Unit of area measurement (e.g., Marla, Kanal).
16. **Area Size**: Size of the area.
17. **Area Category**: Category of the area based on size.

Here are a Few Questions to Help You with Your Analysis:

1. What is the count of House property type in the dataset?
2. What is the range of prices for rent properties in Islamabad? What are the minimum and maximum prices?
3. How many different types of properties are listed on Zameen?
4. What is the count of properties with more than 3 bedrooms?
5. How many Farm House properties were added in year 2019?
6. How many Flats are available for Sale with exactly 2 bathrooms in Faisalabad?
7. Create a new column High_Price_Multi_Bed to indicate if a property with more than 3 bedrooms is priced above 10,000,000.
8. Create a new column Luxury_Property to indicate if a property in Islamabad or Lahore has more than 4 bathrooms and more than 4 bedrooms.
9. Create a new column Recent_High_Value to indicate if a property listed in the year 2023 has a price greater than 15,000,000.
10. What is the maximum Area of Farm house property?
11. Where the most expensive property is located?
12. How many properties are for Sale in 7th Avenue, Islamabad?