

You are working for a real estate firm looking to understand property trends, price ranges, and locations across Kenya. The management wants you to build a Power BI dashboard that helps answer key business questions like:

Which areas have the highest priced homes?

How does the number of bedrooms or bathrooms relate to price?

What are the most common property sizes?

Which listings lack complete information (e.g., missing size)?

### **Objectives for Your Power BI Visuals**

#### **1. Analyze Property Prices by Location**

Show average or total property price per location to identify premium markets like Nyali or Runda.

Insight: Helps determine which areas are more profitable to market or develop properties in.

#### **2. Compare Property Prices by Number of Bedrooms**

Purpose: Show how price correlates with the number of bedrooms.

Insight: Helps target customer segments based on affordability and preferences.

#### **3. Highlight Listings with Missing Size Information**

Visual Type: Table with Conditional Formatting or KPI Indicator

Purpose: Identify how many listings are incomplete (e.g., "Size = N/A").

Insight: Drives data quality initiatives and listing completeness.

#### **4. Price Distribution Overview**

Visual Type: Histogram or Scatter Plot

Purpose: Visualize the distribution of property prices.

Insight: Understand pricing outliers and the typical range customers can expect

#### **5. Show any other important KPI**