

ADV LAB ESE

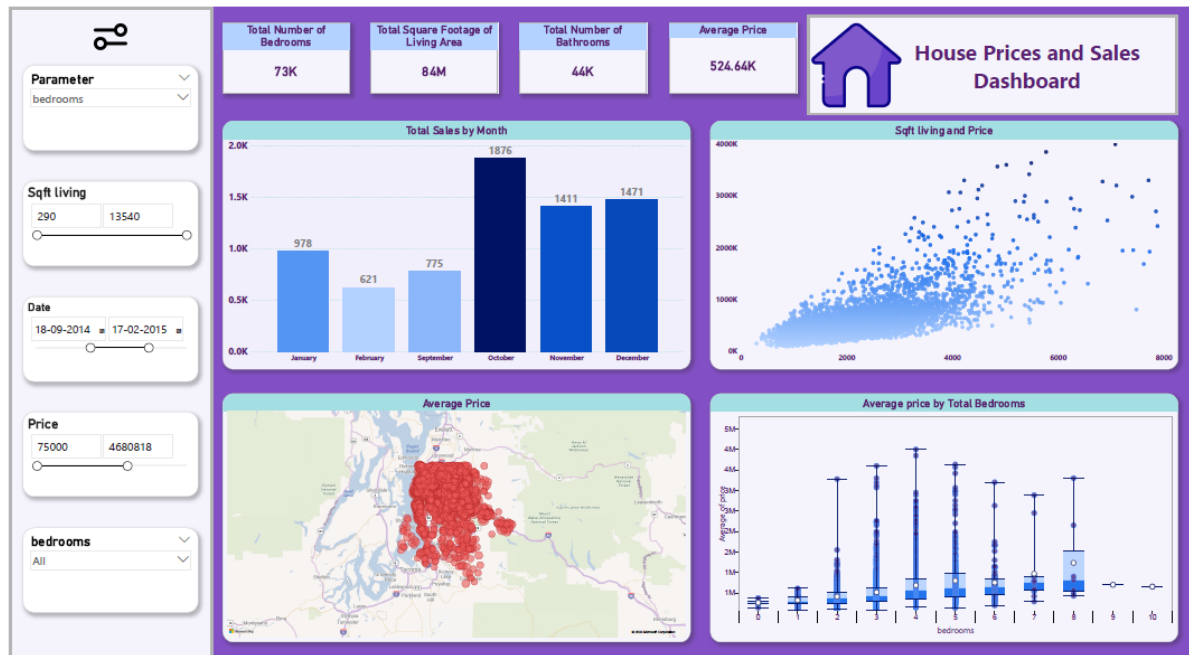
Name: Adwait Purao

UID: 2021300101

Batch: D

Division: COMPS B

Screenshot of dashboard



Dashboard Purpose and Motivation

This dashboard was created to visually explore and analyze a real estate dataset, specifically focused on house prices and sales. The objective is to provide insights into various factors affecting property prices, sales trends, and distributions across geographic regions. By using this dashboard, users can quickly identify patterns and make informed decisions based on the data.

Key Features and Visualizations

1. Summary Metrics:

- Display total figures for essential metrics like the number of bedrooms, square footage of living area, number of bathrooms, and average price. These give an at-a-glance overview of the dataset's scope.

2. Total Sales by Month:

- Bar chart showing monthly sales data to identify seasonal patterns or months with higher sales volume.

3. Square feet Living and Price Scatter Plot:

- Visualization of the relationship between living area square footage and property price, helping users see if larger homes correlate with higher prices.

4. Geographic Price Distribution:

- Map with markers indicating the average price in various locations, offering a geographic perspective on house prices and sales distribution.

5. Average Price by Total Bedrooms:

- Box plot representing price distribution based on the number of bedrooms, which helps in understanding if and how the number of bedrooms influences pricing.

6. Interactive Filters:

- Options to filter data by parameters like square footage, date range, price, and bedrooms to customize views and narrow down specific information.

Overall, this dashboard facilitates a comprehensive and interactive analysis of the real estate market trends, aimed at aiding users in understanding and assessing various pricing factors in the housing market.