

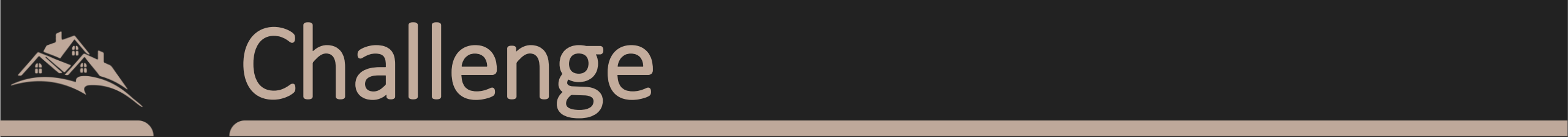


Gurgaon Real estate Analysis Dashboard



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Gurgaon's real estate market exhibits a highly dynamic and evolving pattern, marked by significant variability in property price trends, heterogeneous demand distribution across regions, and a spectrum of investment opportunities. Buyers and investors frequently encounter challenges in analyzing and pinpointing optimal properties efficiently, leading to extended decision-making timelines and a potential loss of high-value opportunities.



Solution and Impact

Solution: I developed a user-friendly Property Analysis Dashboard using Streamlit. The dashboard shows area-wise price trends, suggests suitable societies, predicts prices based on user-selected features, and provides price ranges for different apartment sizes.

Impact: The dashboard helps users save up to 30% of their time in property searches by offering quick insights, making it easier to spot good deals and make better decisions.

Data Source: Web scraped 3000+ property listings from popular sites like 99acres and Magic Bricks using Selenium and BeautifulSoup



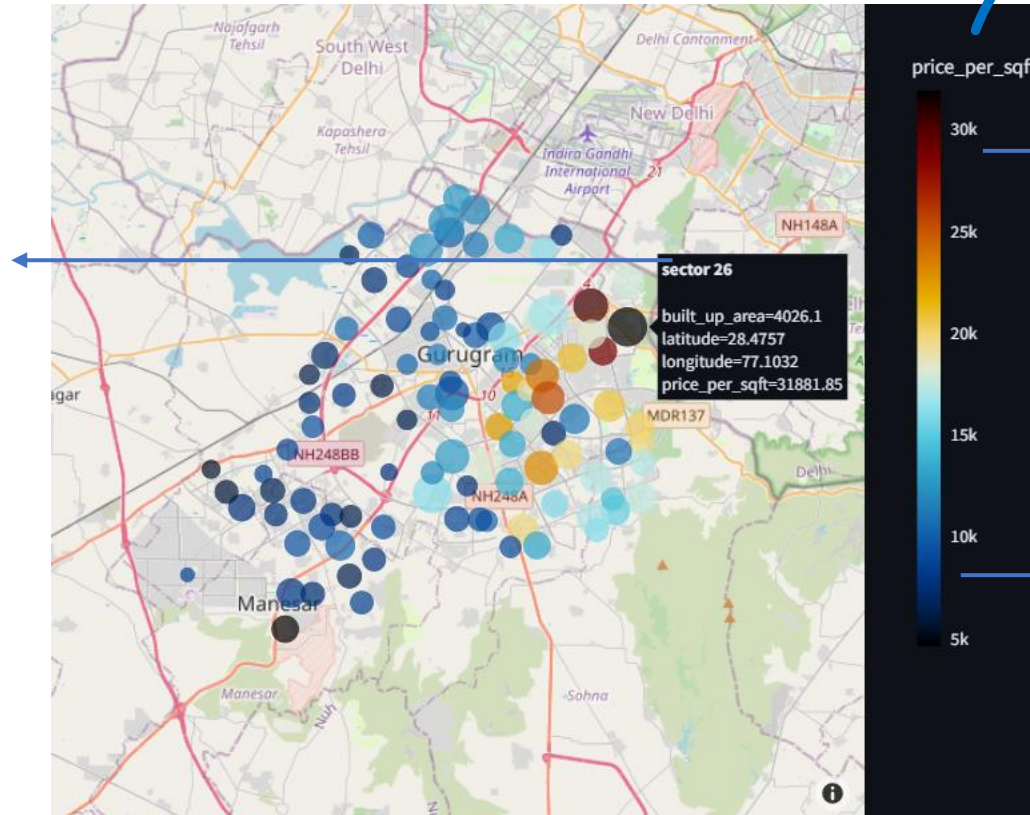
Dashboard

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Geo Map

Hovering over the bubble reveals the **price per sqft**, **sector**, and **location**



Color bar representing the **price per sqft range** for each area of Gurgaon

Highest Price per Sqft is around **> ₹30,000 (Quite Expensive)**

The lowest Price per Sqft is around **₹5,000**



The **larger** the **text**, the more frequently the amenity is listed in the Selected Area



Area vs Price

The y-axis displays the **Price in Crores**

The x-axis shows the **Total Built Up Area**



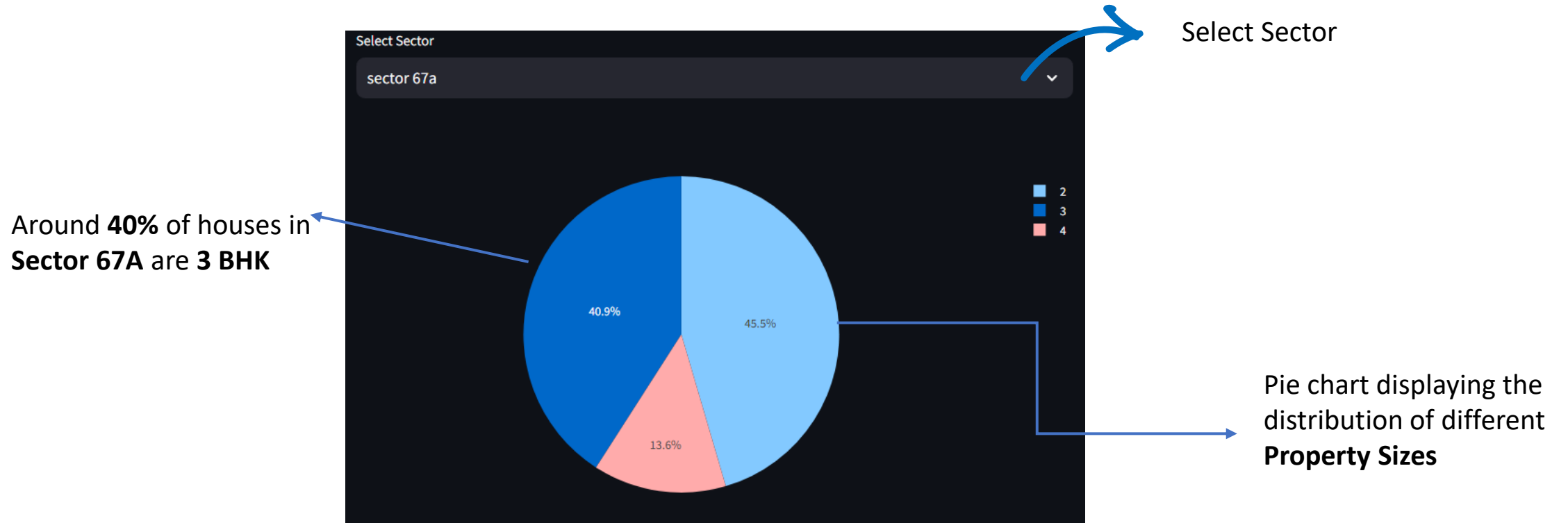
Select Property Type
(House | Flat)

```
agePossession=Relatively New  
built_up_area=7444  
price=15  
bedRoom=5
```

The color bar shows the **number of bedrooms**, with lighter indicating more



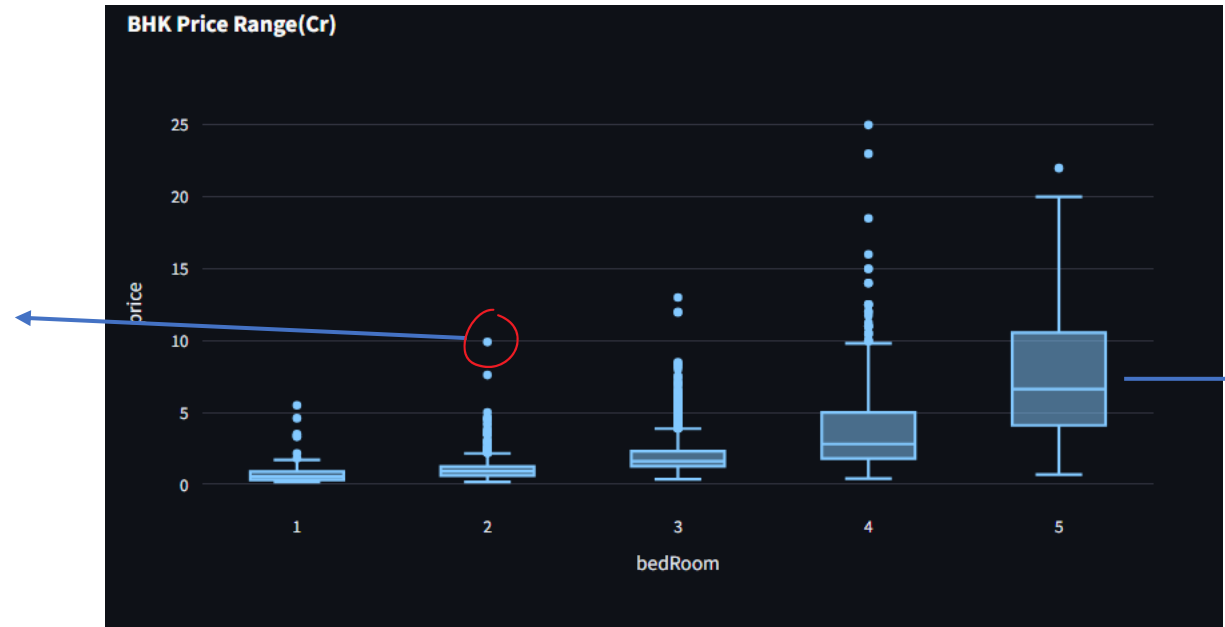
BHK Distribution





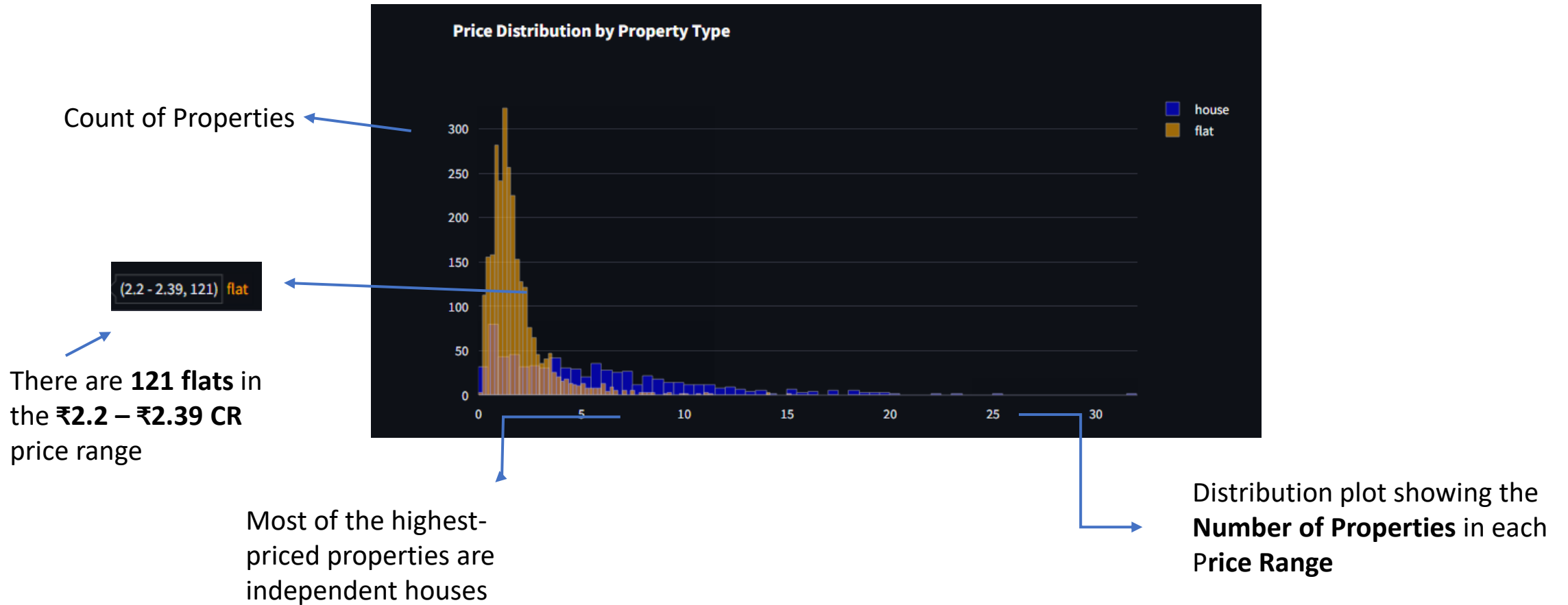
BHK Price Range Comparison

This shows that the priciest 2 BHK in the selected sector was around ₹10Cr





Price Distribution by Property Type





Price Range Prediction

Helps buyers estimate the price range of properties based on their needs

Select Property Type, Location and Amenities

Gurgaon Real Estate Price Predictor

Enter your inputs

Property Type
flat

Sector
sector 103

Average Price change for sector 103 is: ₹-4114

Number of bedrooms
1.0

Average Price increase Per bedrooms: ₹ 106961

Number of bathrooms
1.0

Number of Balconies
0

Property Age
Moderately Old

Built Up Area
1100

Price change compared to the average price across **Gurgaon**

Uses **Random Forest Regressor** with **90%+ accuracy**, trained on **3000+** properties

The model predicts the property price within a **90% prediction interval**

Predict

The flat's price falls within the range of approximately 0.62 Crores to 1.06 Crores.



Similar Society Recommendation

Recommends Society Based on the Selected Location and Recommend Apartments in the selected Society

Select a landmark and radius to recommend nearby societies

This option autofills with the previously recommended societies

Select Location and Radius

Location
Aarvy Hospital

Radius in Kms
30

Search

Ireo Victory Valley : 2.5 Kms

Bestech Park View Grand Spa : 3.2 Kms

Emaar MGF Emerald Floors Premier : 3.9 Kms

International City by SOBHA Phase 2 : 8.8 Kms

Recommend Apartments

Select an Apartment
Choose an option

Ireo Victory Valley

Bestech Park View Grand Spa

Emaar MGF Emerald Floors Premier

International City by SOBHA Phase 2

Multiple apartments are recommended for the selected society

Recommend Apartments

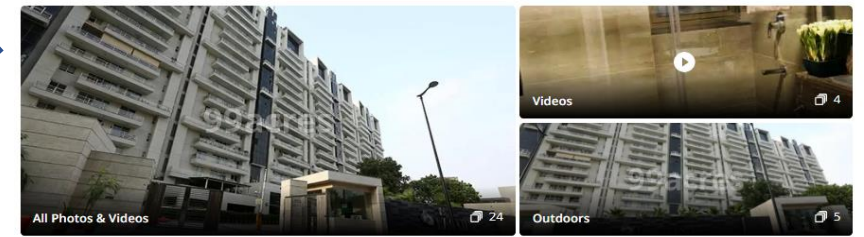
Select an Apartment
Bestech Park View Grand Spa

Recommend



Recommended Apartments:

La Lagune : [Link](#)

Whiteland The Aspen : [Link](#)



Home > Projects in Gurgaon > Golf Course Road > Sector 54 Gurgaon > La Lagune

**La Lagune** 
Sector 54, Gurgaon

REERA Status

No Brokerage

3D Floor Plans Available

+50 Top Facilities

CONSTRUCTION STATUS
Ready To Move
Since Sep, 2013

[View Number](#)

Select a link to visit the buy page on 99acres or Magic Bricks for more information



- Developed a Streamlit-based dashboard using Python, incorporating Pandas, NumPy, and Plotly to simplify the property search process for buyers in Gurgaon.
- This project highlights my proficiency in applying data analysis, machine learning, and data visualization techniques to address real-world challenges.
- It reflects my ability to derive data-driven insights that enhance decision-making, a capability I am excited to contribute to a data analyst role.