Bangalore House Price Analysis

SUBMITTED BY:

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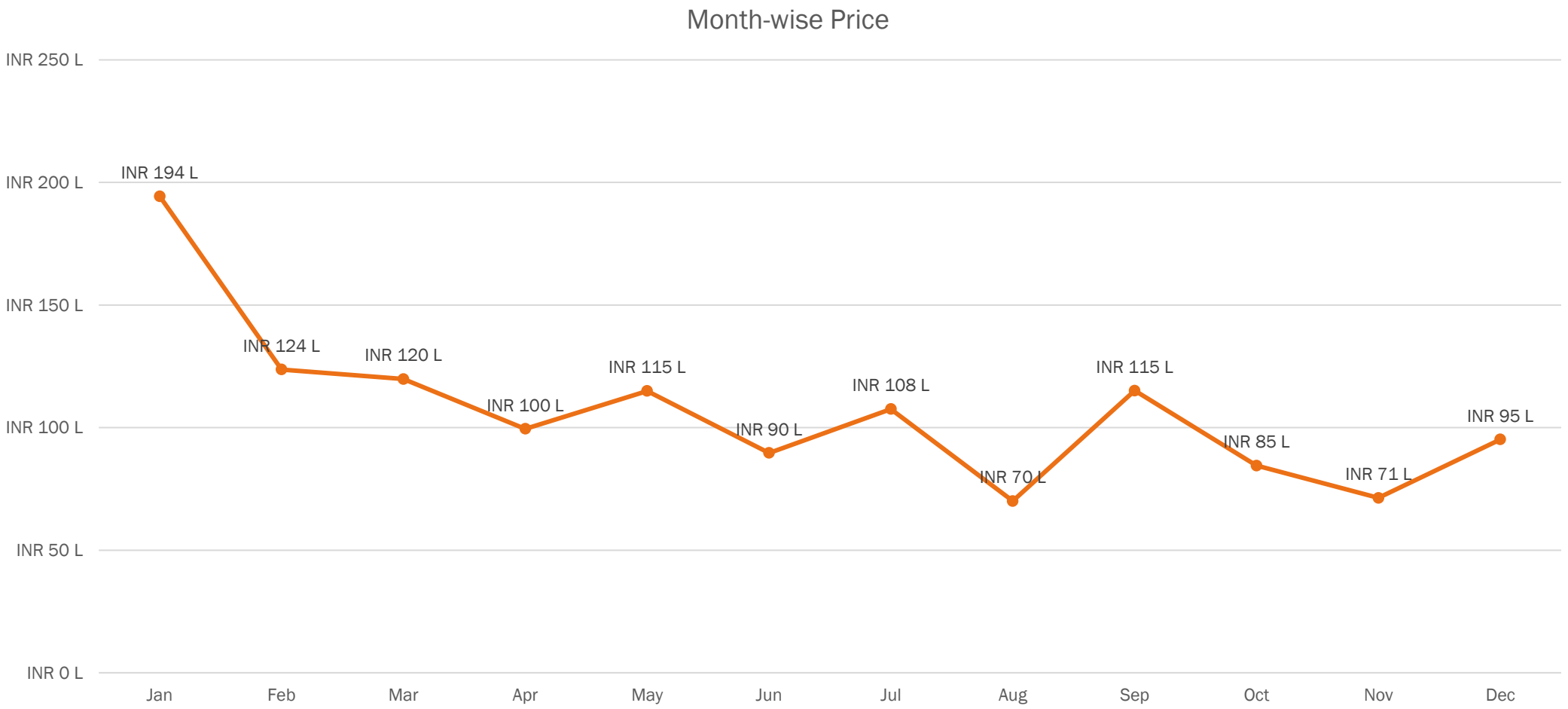
Problem Statements

Problem Statement No.	Problem Statement
1	Find month wise report.
2	Find area wise report.
3	Find square foot wise report.
4	Find number of room wise report.
5	Find society wise report.
6	Find number of bathroom wise report.
7	Find number of bedroom wise report and suggest house within budget.
8	Find location wise report.
9	Find number of balcony wise report.
10	Find area type and number of balcony wise report.
11	Find number of bathroom and number of balcony wise report.
12	Find size and number of bathroom wise report and provide filter to number of balcony.
13	Find area type and number bedroom wise report.
14	Find area type and number of bathroom wise report.
15	Find number of bathroom and number of bedroom wise report.

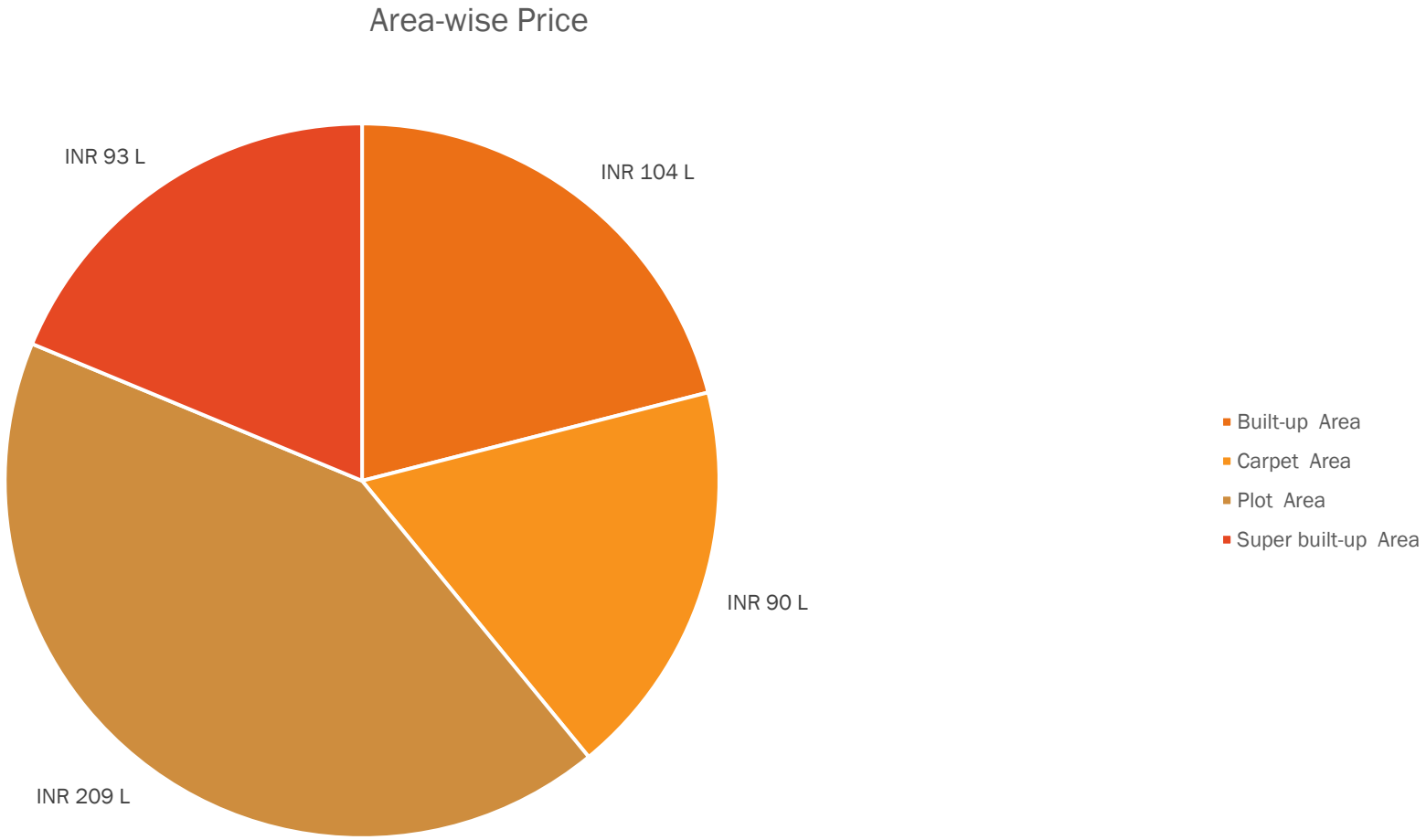
Problem 1:

From the below graph we can understand that the average price of Bangalore rooms are decreasing gradually. It may be possible people wants to purchase property on new year. So the demand gradually goes down till the end of the year.



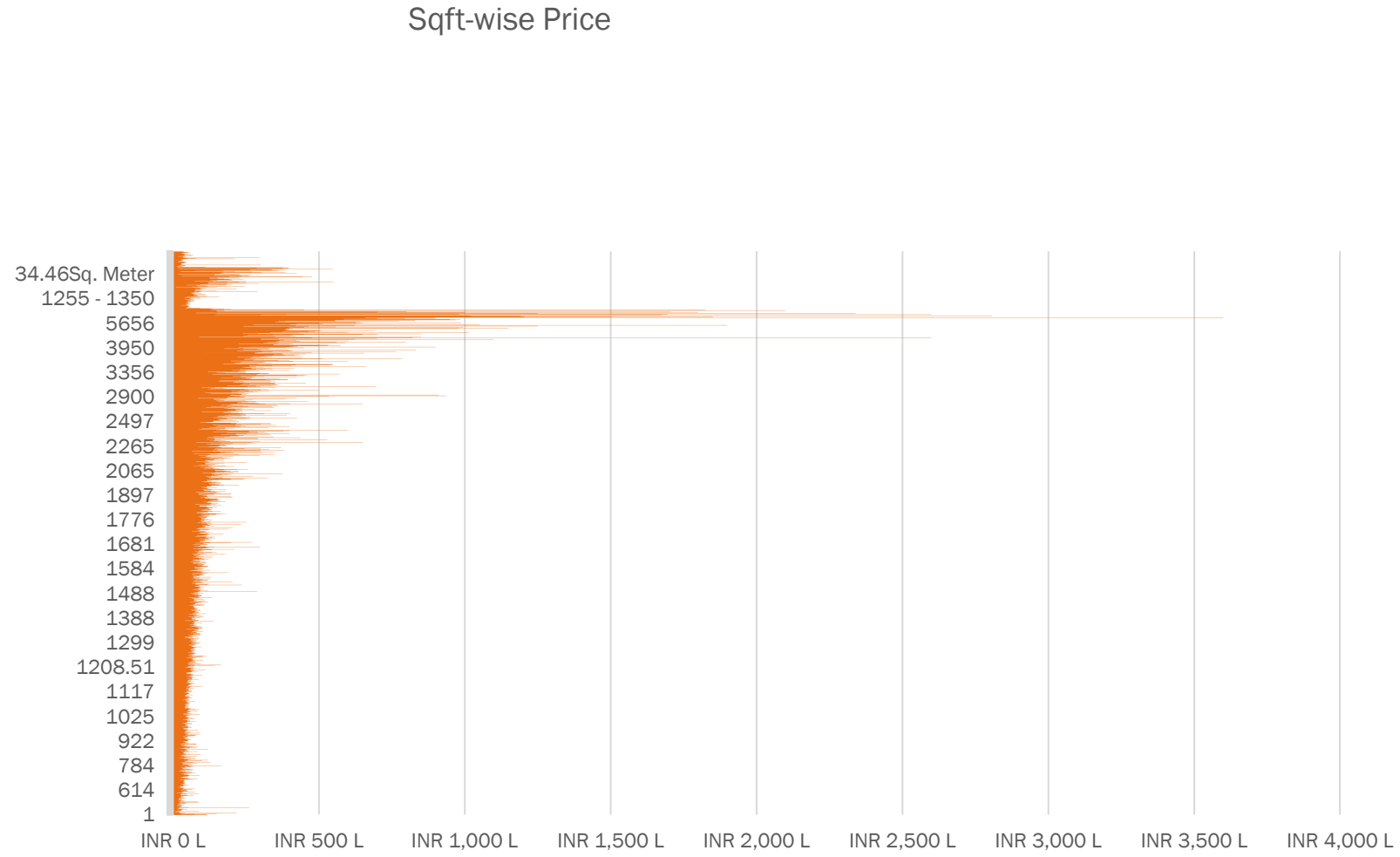
Problem 2:

From this chart, it obvious that people are more interested on plot areas. Because they might have plan to invest their money in purchasing land rather than buying a house.



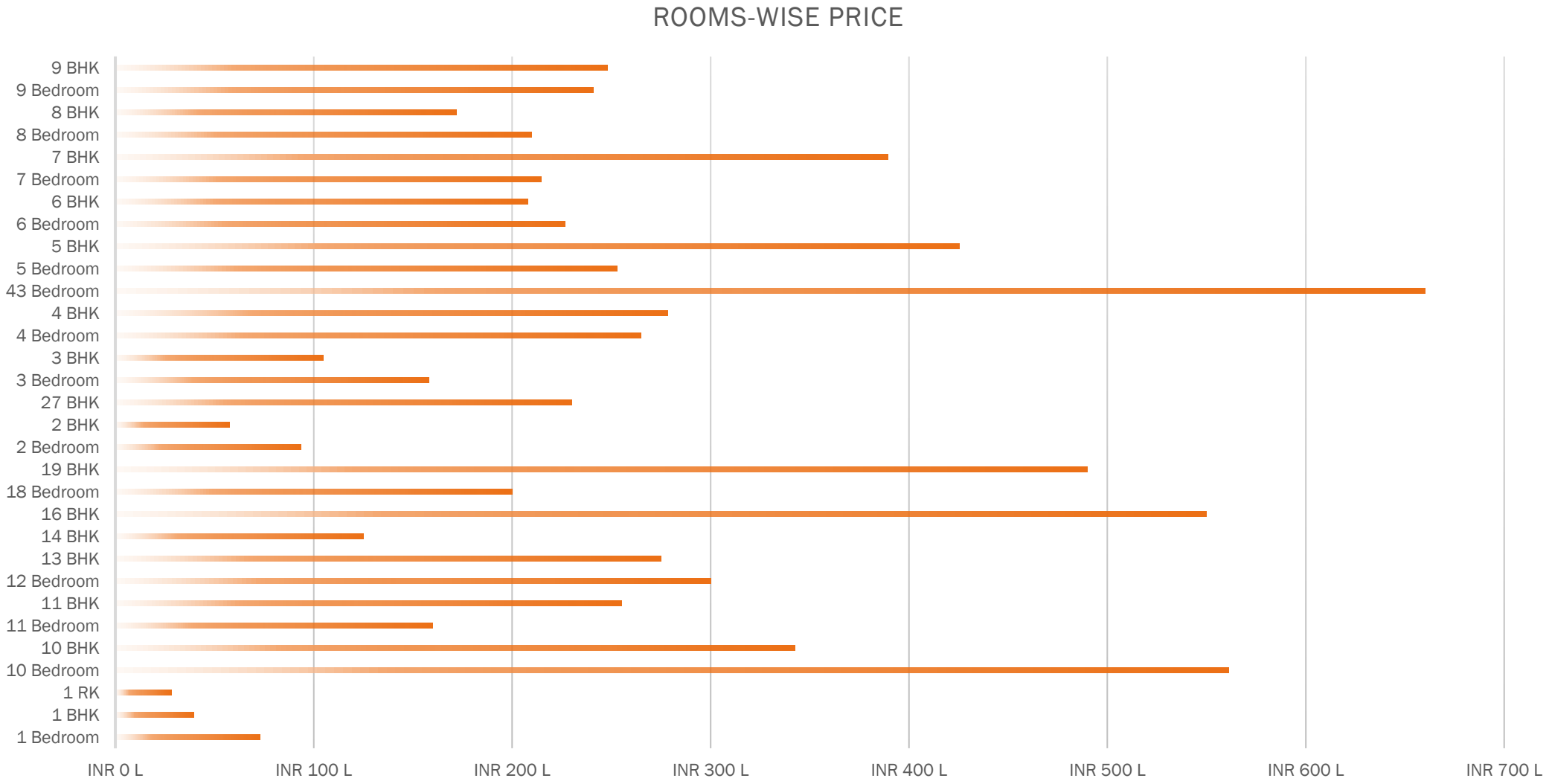
Problem 3:

Here we can see increasing in price with increase in square foot area.



Problem 4:

Here we can see increasing in price with increase in number of rooms.

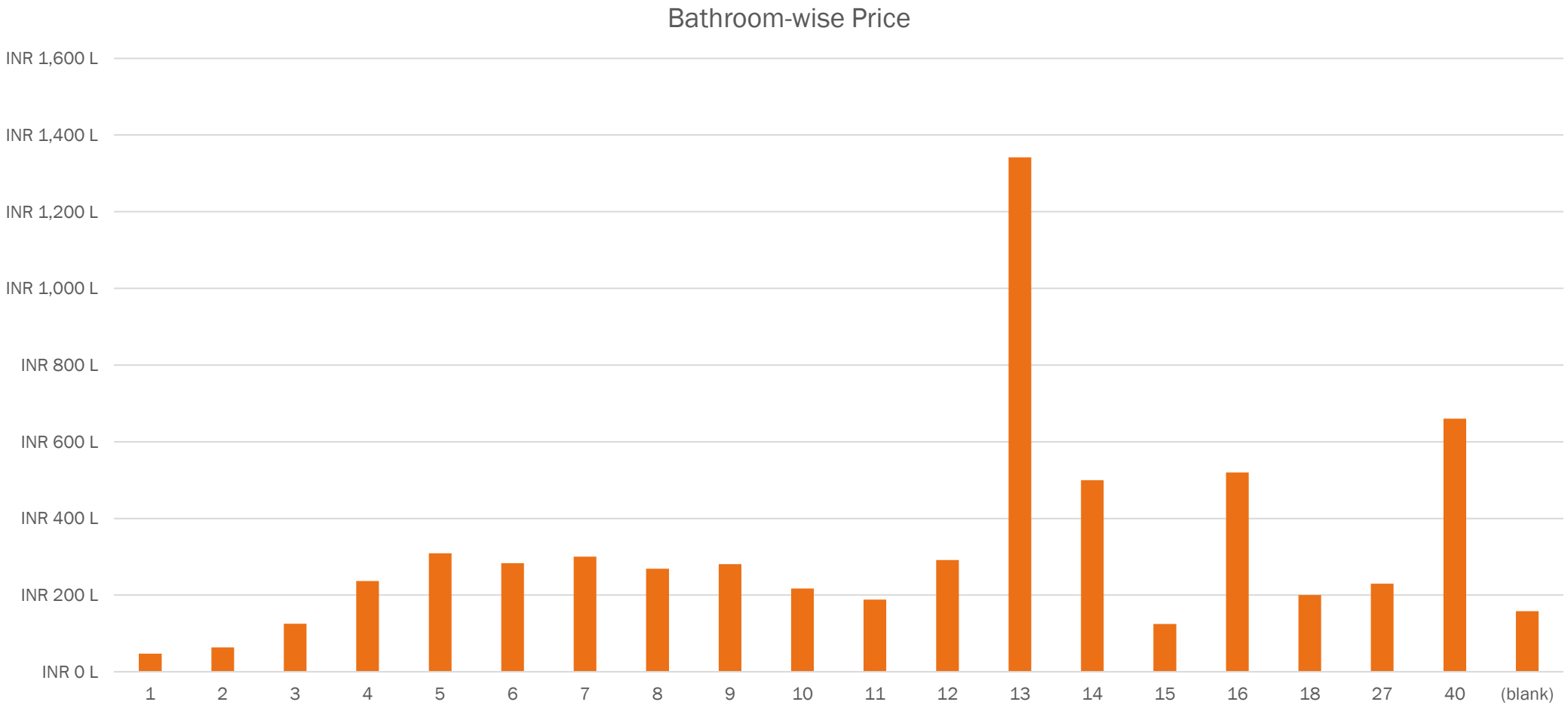


Problem 5:

From below chart , we can observe the highest paying society is the Kierser society. There might be more facilities than other societies.

Problem 6:

Here you might be wondering the average price should increase with increase in the number of bathrooms, But here it increased till the number of bathroom is 13 and then decreased. Because there few people who needs more than 13 bathrooms. So the graph went down.

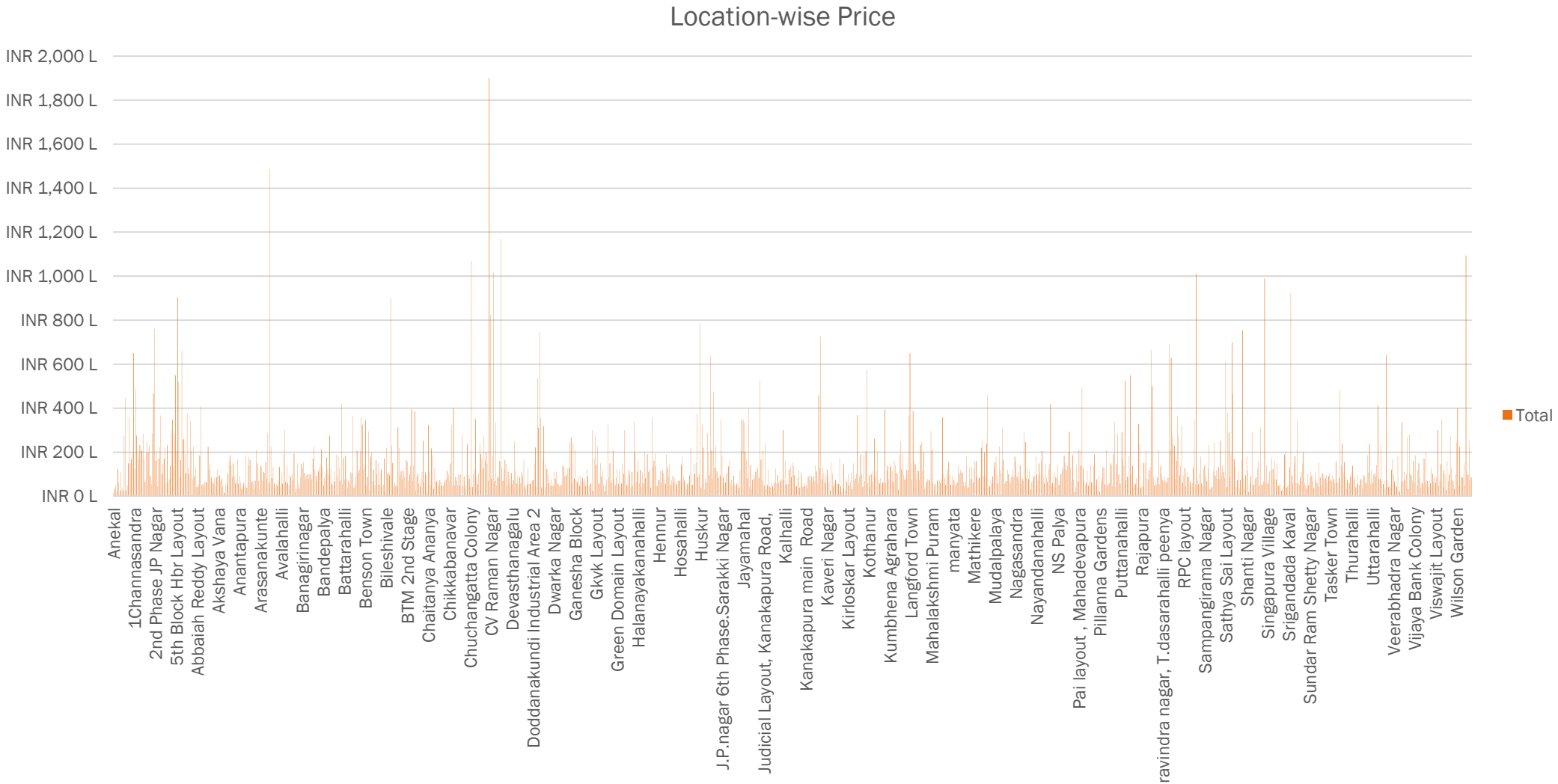


Problem 7:

This chart can help those people who needs a house within their budget. Let's say someone wants a house within Rs. 500L and he is ok if the price is little higher. So we can suggest him for 10 bedrooms house with price Rs. 530L.

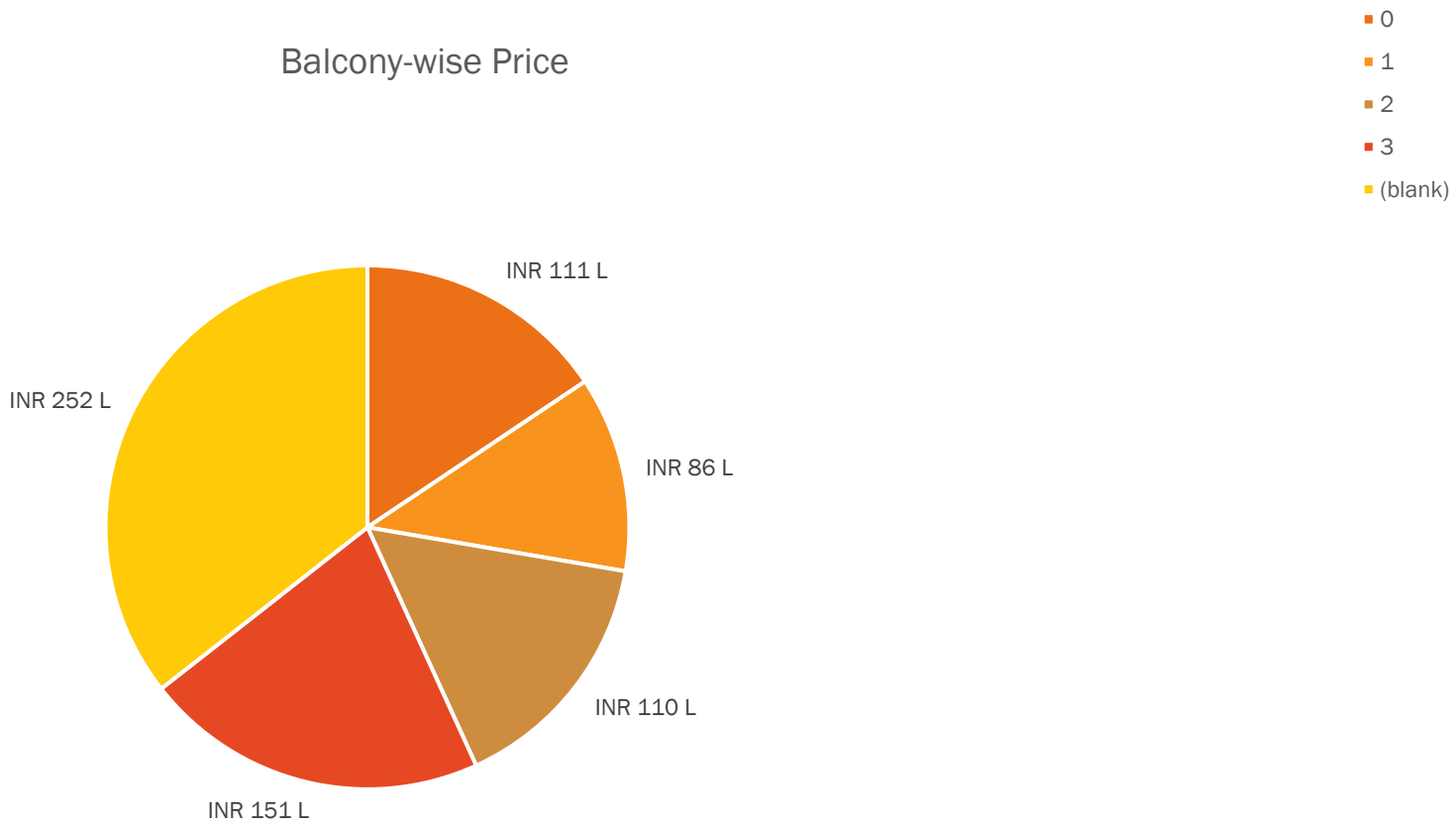
Problem 8:

According to this graph the Cubbon Road is the high paying area.



Problem 9:

From this chart we can see the price increases with increase in number of balcony. The blank values refers those might be the plot areas and as most of the people investing in plot areas, so the price of null value Is higher than others.

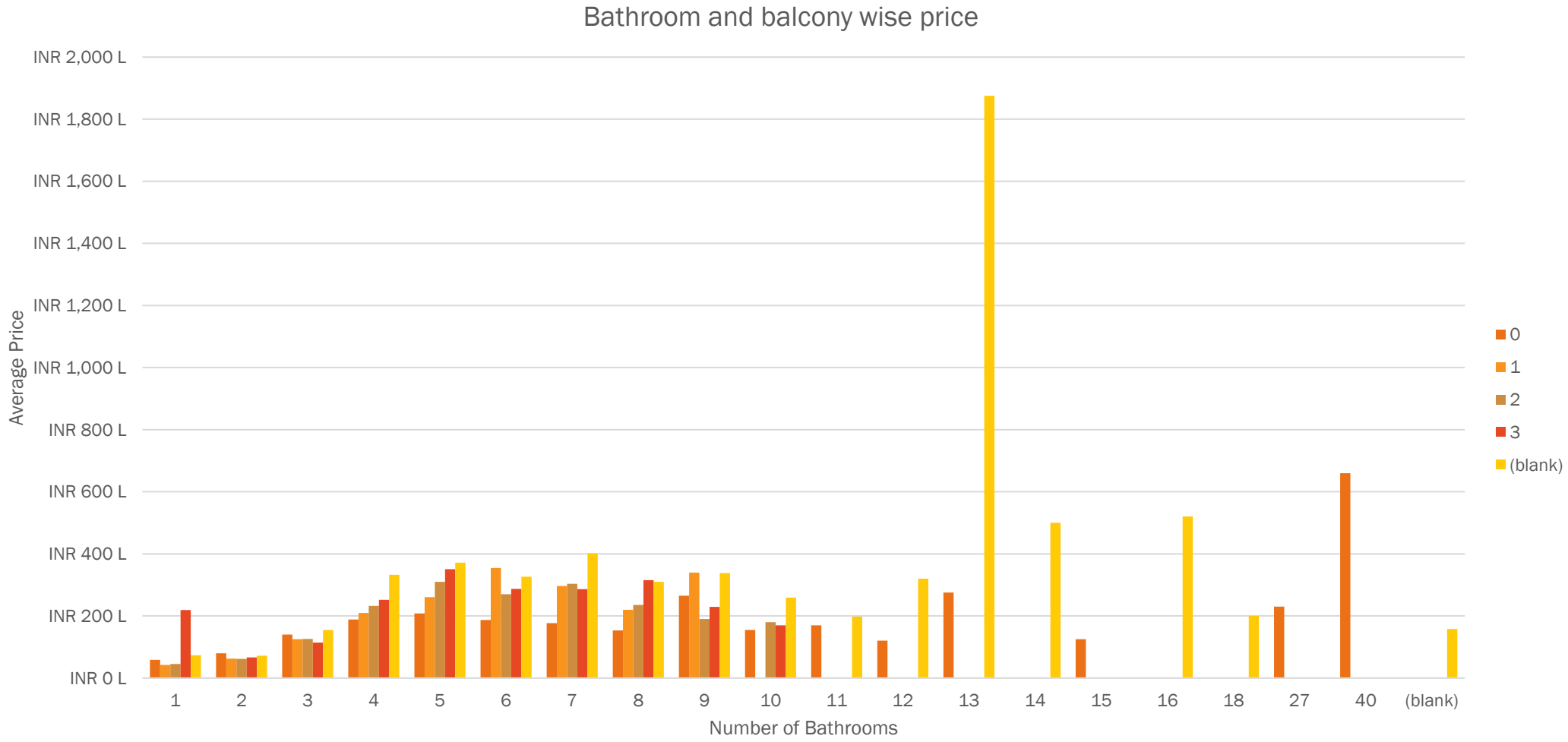


Problem 10:

This chart tell that the maximum of plot areas has no balcony. So it clarifies that why the null plot areas had high price.

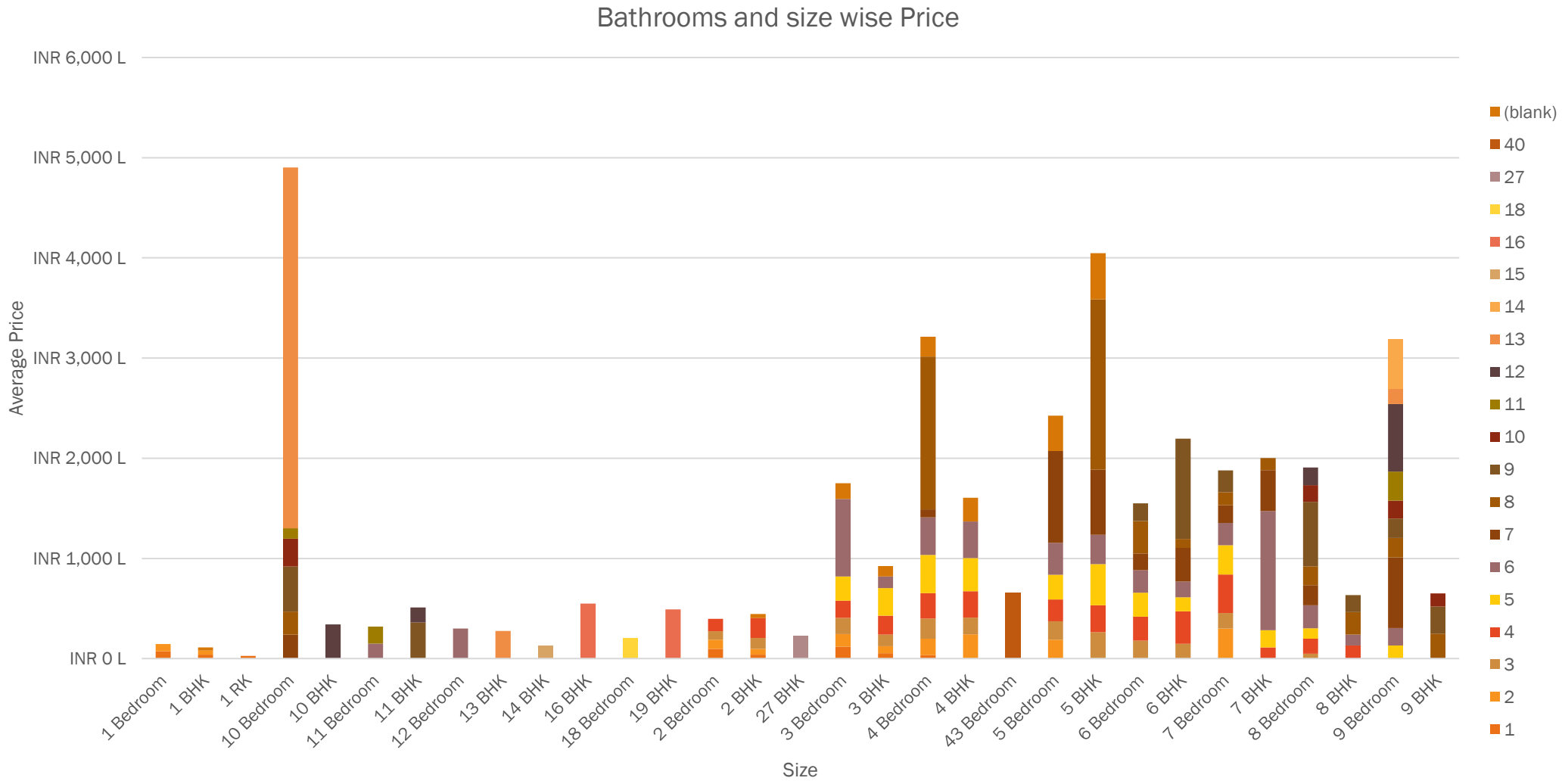
Problem 11:

If a person wants to know the price of the house with specific number of bathroom and balcony then this chart can help him.



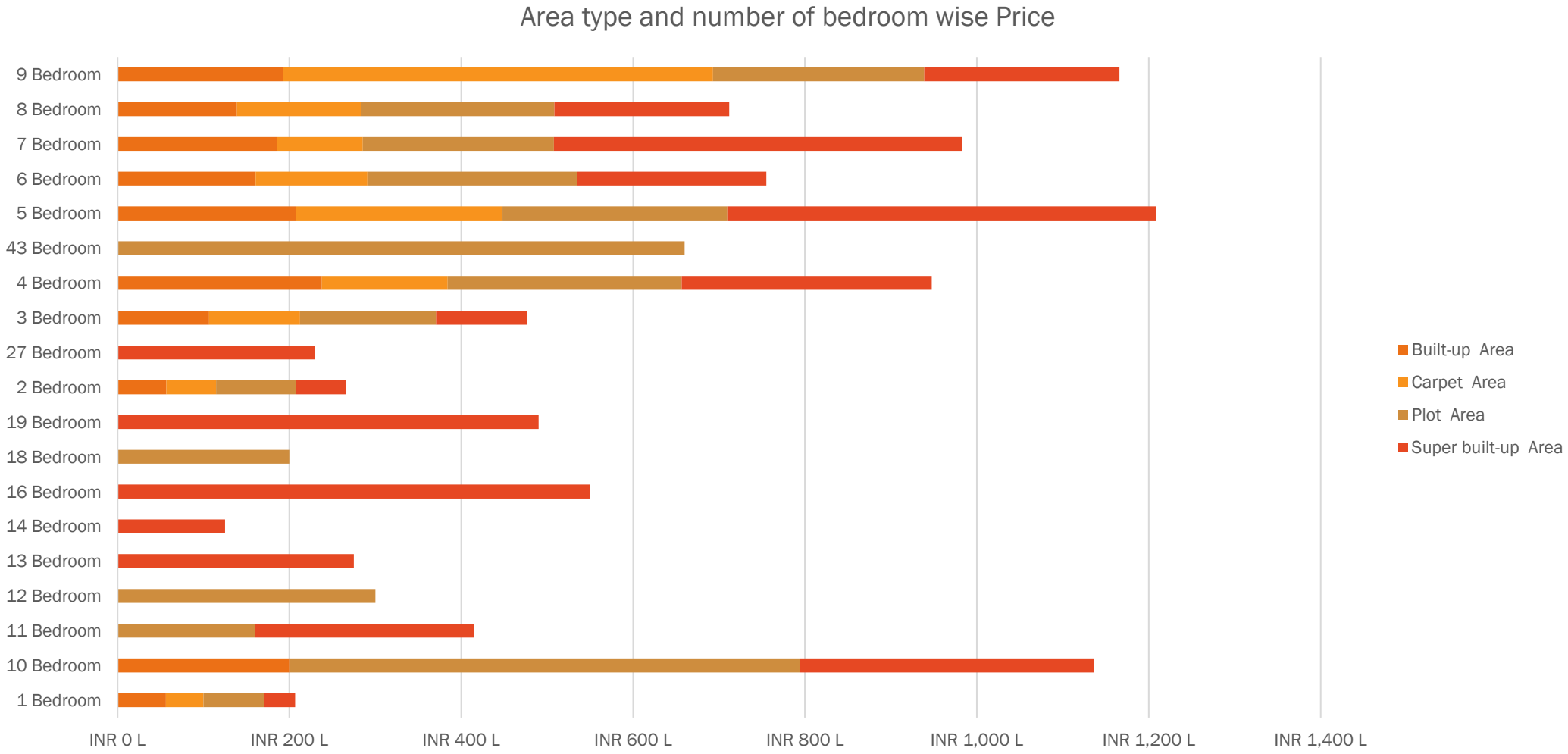
Problem 12:

Here we can find the average price based on house size and number of bathrooms.



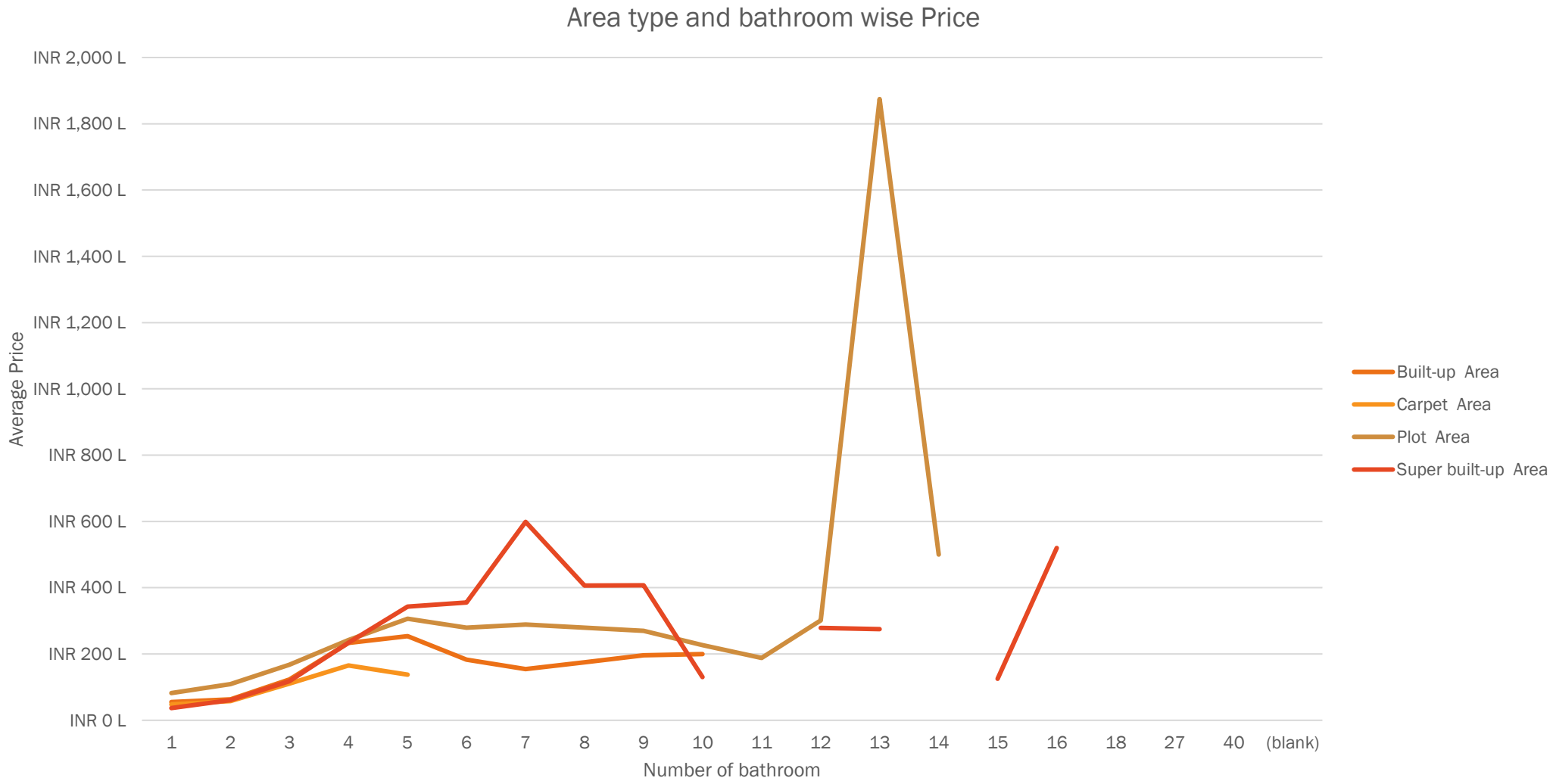
Problem 13:

If someone wants 2 bedroom house with minimum rent, then we can suggest him for Built-up area and Super built-up area. Because price of both are same i.e., Rs. 57L.



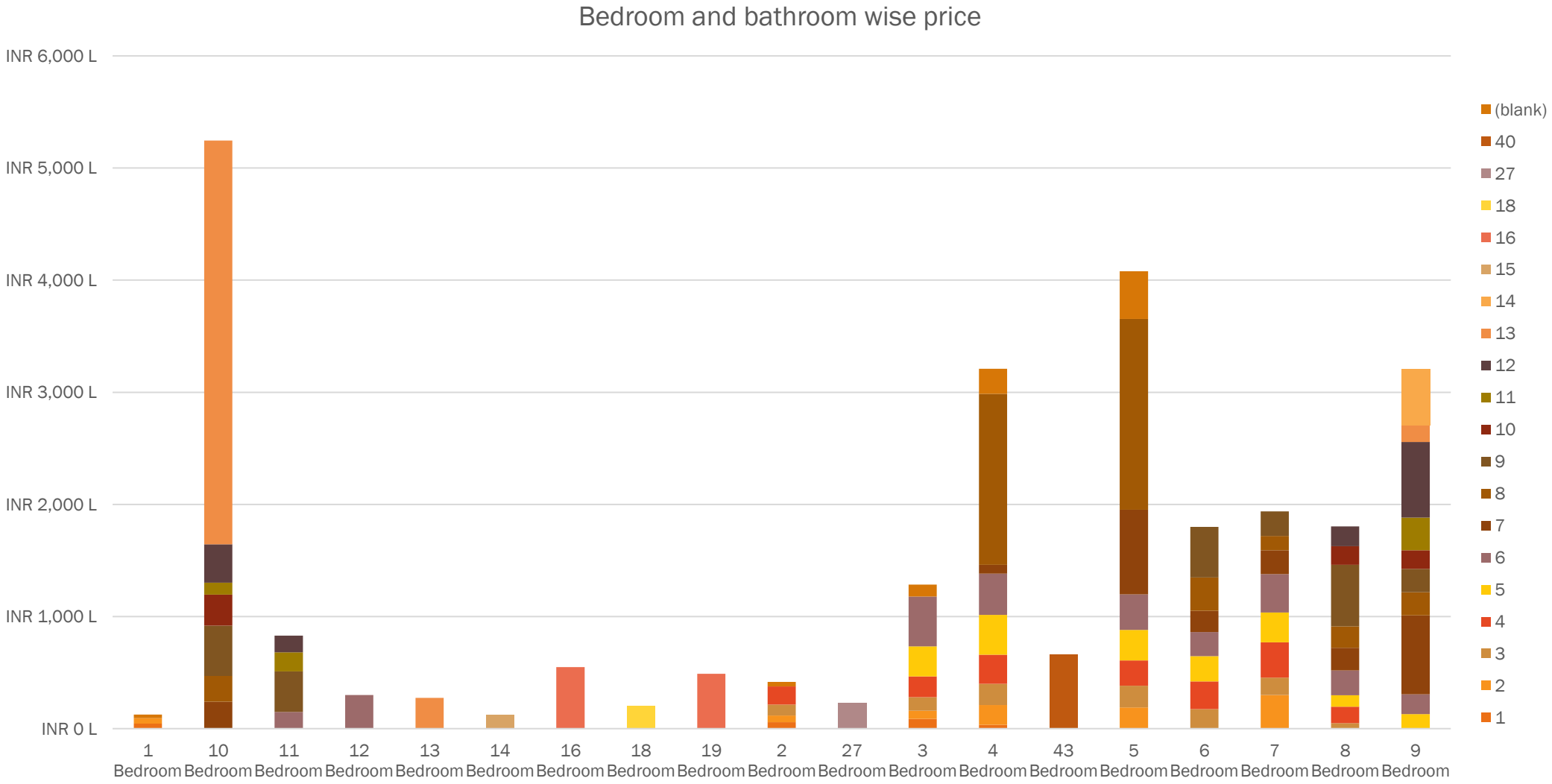
Problem 14:

This show how price varies in different areas with different number of bathrooms.



Problem 15:

This is showing the number of bedroom and number of bathroom wise report.



Summary:

From this analysis we put an insight on this raw data.

- ✓ We extracted and display month wise data.
- ✓ We extracted and display area wise data.
- ✓ We extracted and display square foot wise data.
- ✓ We extracted and display number of room wise data.
- ✓ We extracted and display society wise data.
- ✓ We extracted and display number of bathroom wise data.
- ✓ We extracted and display bedroom wise data.
- ✓ We extracted and display location wise data.
- ✓ We extracted and display number of balcony wise data.
- ✓ We extracted and display area type and balcony wise data.
- ✓ We extracted and display bathroom and balcony wise data.
- ✓ We extracted and display bathroom and size wise data.
- ✓ We extracted and display area type and bedroom wise data.
- ✓ We extracted and display area type and bathroom wise data.
- ✓ We extracted and display bedroom and bathroom wise data.

Conclusion:

Using generated charts, slice and pivot table, we became able to find the pattern in this raw data. Now we can suggest a good house to anyone with affordable price and according to his requirement.

Reference Links:

- https://www.kaggle.com/amitabhajoy/bengaluru-house-price-data
- https://www.youtube.com/watch?v=plDPS8YIiRY
- https://github.com/ultimatecrack/Projects