

#### Magicbricks Business Strategy

- Magicbricks, founded in 2006, is a leading Indian real estate platform connecting buyers, sellers, and renters.
- It offers a seamless marketplace for residential and commercial properties with features like verified listings, price trends, and Al-driven recommendations.
- Serving metro and smaller cities, it empowers users with insights and tools for informed decisions.

# magicbricks





**Popular Real Estate Companies in India** 

#### About the Dataset

- The provided text is a dataset of rental properties in different metro cities in India listed on Magicbricks.
- Each row represents a single property, listing details such as house type, location, size, number of bedrooms and bathrooms, balconies, furnishing status, area rate, rent, and room type (e.g., "1 BHK").
- The dataset is organized in a tabular format with **7691 rows** and **10 columns**. Each row represents a unique ride, and the columns provide detailed information about each ride.
- Format of File .csv

## Description of the Dataset

Column	Descriptions	Values
house_type	Type of house	
locality	Locality where the Residential property is located	
city	City where the Residential property is located	
area	Area of property for renting in sq. ft.	Completed, cancelled
beds	No. of bedrooms in the property	1, 2, 3, etc.
bathrooms	No. of bathrooms in the property	1, 2, 3, etc.
balconies	No. of balconies in the property	0, 1, 2 etc.
furnishing	Type of furnishing in the property	Unfurnished, Semi-furnished, Furnished
area_rate	Rent per sq. ft.	
rent	Total rent	

#### Outlook of the Dataset

house_type	locality	city	area beds	ŀ	bathrooms balco	nies furnishing	area_rate	rent
2 BHK Flat for Rent in Oberoi Woods, Goregaon East, Mumbai	Goregaon East	Mumbai	897	2	2	0 Semi-Furnished	134	120000
1 BHK Flat for Rent in Sapphire Lakeside, Powai, Mumbai	Powai	Mumbai	490	1	1	0 Semi-Furnished	82	40000
1 BHK House for Rent in Mundhwa Pune	Mundhwa	Pune	550	1	1	0 Unfurnished	22	12000
2 BHK Flat for Rent in Hingna, Nagpur	Hingna	Nagpur	1000	2	2	0 Unfurnished	8	8000
1 BHK Flat for Rent in Unique Star Harsh Vihar, Mira Road Area, Mumbai	Mira Road	Mumbai	595	1	1	0 Unfurnished	25	15000
1 BHK House for Rent in Jakkur Bangalore	Jakkur	Bangalore	600	1	1	0 Unfurnished	27	16000
3 BHK Flat for Rent in Chittaranjan Park, New Delhi	Chittaranjan Park	New Delhi	1260	3	3	2 Unfurnished	47.66667	60000
3 BHK Flat for Rent in Soami Nagar South, Soami Nagar, New Delhi	Soami Nagar South	New Delhi	2700	3	3	2 Semi-Furnished	74.11111	200000
1 BHK House for Rent in Hadapsar Pune	Hadapsar	Pune	650	1	1	0 Unfurnished	17	11000
1 BHK Flat for Rent in Riverdale Suites, Kharadi, Pune	Kharadi	Pune	495	1	1	0 Unfurnished	48	24000
4 BHK House for Rent in Indiranagar Bangalore	Indira Nagar	Bangalore	2000	4	3	0 Semi-Furnished	40	80000
3 BHK Flat for Rent in Whitefield, Bangalore	Whitefield	Bangalore	1543	3	3	0 Unfurnished	39	60000
1 BHK Flat for Rent in Hiranandani Gardens, Powai, Mumbai	Powai	Mumbai	380	1	2	0 Furnished	184	70000
3 BHK Flat for Rent in Rustomjee Seasons, Bandra East, Mumbai	Bandra East	Mumbai	1281	3	3	0 Semi-Furnished	222	290000
4 BHK Flat for Rent in Bandra East, Mumbai	Bandra East	Mumbai	2200	4	4	3 Unfurnished	159	350000
4 BHK Flat for Rent in Oberoi Prisma, Jogeshwari Vikhroli Link Road, Mumbai	Jogeshwari Vikhroli Link Road	Mumbai	2600	4	5	0 Semi-Furnished	92	240000
2 BHK Flat for Rent in Godrej Elements, Hinjawadi, Pune	Hinjewadi	Pune	862	2	2	2 Semi-Furnished	35	30000
3 BHK Flat for Rent in Jyoti Nagar East, New Delhi	Jyoti Nagar East	New Delhi	1080	3	2	0 Semi-Furnished	23	25000
1 BHK Flat for Rent in Madanpur Khadar Village, New Delhi	Madanpur Khadar Village	New Delhi	700	1	1	0 Semi-Furnished	19	13000
3 BHK Flat for Rent in CV Raman Nagar, Bangalore	C V Raman Nagar	Bangalore	1900	3	3	3 Semi-Furnished	37	70000
2 BHK Flat for Rent in Blossom N Springs, Baner, Pune	Baner	Pune	1000	2	2	2 Semi-Furnished	35	35000
3 BHK Flat for Rent in Dudulgaon, Alandi, Pune	Dudulgaon	Pune	819	3	2	2 Unfurnished	24	20000
1 BHK Flat for Rent in Mohan Nagar, Nagpur	Mohan Nagar	Nagpur	400	1	1	0 Unfurnished	25	10000
4 BHK Flat for Rent in Eon Waterfront, Kharadi, Pune	Kharadi	Pune	2500	4	6	3 Semi-Furnished	37	92000
2 BHK Flat for Rent in Balagere, Bangalore	Balagere	Bangalore	1200	2	2	2 Semi-Furnished	16	19000
2 BHK Flat for Rent in Anirudha Residency, Manewada, Nagpur	Manewada	Nagpur	990	2	2	2 Semi-Furnished	11	11000
1 BHK Flat for Rent in Wadala West, Mumbai	Wadala West	Mumbai	400	1	2	0 Semi-Furnished	100	40000
2 BHK Flat for Rent in Gini Belvista Phase II, Dhanori Road, Pune	Dhanori Road	Pune	750	2	2	2 Semi-Furnished	35	26500
2 BHK House for Rent in Medahalli Bangalore	MedaHalli	Bangalore	300	2	2	0 Semi-Furnished	83	25000

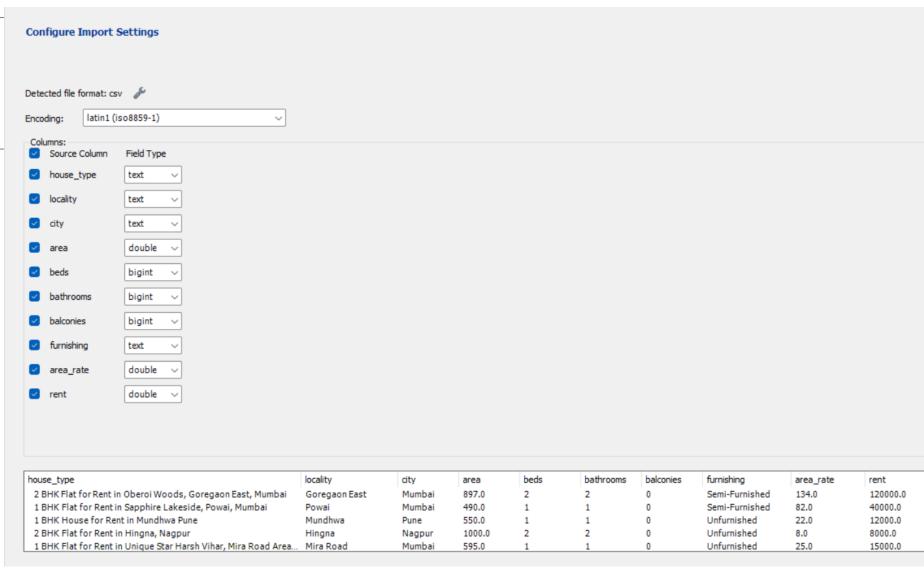
#### Uploading Dataset in MySQL Server using MySQL WorkBench

-- creating new database

create database magicbricks\_db;

-- setting the dataset to be default

use magicbricks\_db;



### Viewing the Full Table

```
-- Viewing the full table
select *
from magicbricks;
```

	house_type	locality	city	area	beds	bathrooms	balconies	furnishing	area_rate	rent
•	2 BHK Flat for Rent in Oberoi Woods, Goregaon East, Mumbai	Goregaon East	Mumbai	897	2	2	0	Semi-Furnished	134	120000
	1 BHK Flat for Rent in Sapphire Lakeside, Powai, Mumbai	Powai	Mumbai	490	1	1	0	Semi-Furnished	82	40000
	1 BHK House for Rent in Mundhwa Pune	Mundhwa	Pune	550	1	1	0	Unfurnished	22	12000
	2 BHK Flat for Rent in Hingna, Nagpur	Hingna	Nagpur	1000	2	2	0	Unfurnished	8	8000
	1 BHK Flat for Rent in Unique Star Harsh Vihar, Mira Road Area, Mumbai	Mira Road	Mumbai	595	1	1	0	Unfurnished	25	15000
	1 BHK House for Rent in Jakkur Bangalore	Jakkur	Bangalore	600	1	1	0	Unfurnished	27	16000
	3 BHK Flat for Rent in Chittaranjan Park, New Delhi	Chittaranjan Park	New Delhi	1260	3	3	2	Unfurnished	47.6666666666666	60000
	3 BHK Flat for Rent in Soami Nagar South, Soami Nagar, New Delhi	Soami Nagar South	New Delhi	2700	3	3	2	Semi-Furnished	74.11111111111111	200000
	1 BHK House for Rent in Hadapsar Pune	Hadapsar	Pune	650	1	1	0	Unfurnished	17	11000
	1 BHK Flat for Rent in Riverdale Suites, Kharadi, Pune	Kharadi	Pune	495	1	1	0	Unfurnished	48	24000

#### Deleting the rows with non-Pune Cities

```
set sql_safe_updates = 0;delete
    from magicbricks
    where city != "Pune";
```

	house_type	locality	city	area	beds	bathrooms	balconies	furnishing	area_rate	rent
•	1 BHK House for Rent in Mundhwa Pune	Mundhwa	Pune	550	1	1	0	Unfurnished	22	12000
	1 BHK House for Rent in Hadapsar Pune	Hadapsar	Pune	650	1	1	0	Unfurnished	17	11000
	1 BHK Flat for Rent in Riverdale Suites, Kharadi, Pune	Kharadi	Pune	495	1	1	0	Unfurnished	48	24000
	2 BHK Flat for Rent in Godrej Elements, Hinjawadi, Pune	Hinjewadi	Pune	862	2	2	2	Semi-Furnished	35	30000
	2 BHK Flat for Rent in Blossom N Springs, Baner, Pune	Baner	Pune	1000	2	2	2	Semi-Furnished	35	35000
	3 BHK Flat for Rent in Dudulgaon, Alandi, Pune	Dudulgaon	Pune	819	3	2	2	Unfurnished	24	20000
	4 BHK Flat for Rent in Eon Waterfront, Kharadi, Pune	Kharadi	Pune	2500	4	6	3	Semi-Furnished	37	92000
	2 BHK Flat for Rent in Gini Belvista Phase II, Dhanori Road, Pune	Dhanori Road	Pune	750	2	2	2	Semi-Furnished	35	26500
	3 BHK Flat for Rent in Megapolis Sangria Towers, Hinjawadi, Pune	Hinjewadi	Pune	1500	3	3	0	Unfurnished	20	30000
	2 BHK Flat for Rent in Loni Kalbhor, Pune	Loni Kalbhor	Pune	1200	2	2	0	Unfurnished	10	12000

#### **Data Cleaning**



adds new column 'room_type'							
alter table magicbricks							
add room_type varchar(100);							
veiwing the full table							
select *							
from magicbricks;							

 house_type	locality	city	area	beds	bathrooms	balconies	furnishing	area_rate	rent	room_type
1 BHK House for Rent in Mundhwa Pune	Mundhwa	Pune	550	1	1	0	Unfurnished	22	12000	NULL
1 BHK House for Rent in Hadapsar Pune	Hadapsar	Pune	650	1	1	0	Unfurnished	17	11000	HULL
1 BHK Flat for Rent in Riverdale Suites, Kharadi, Pune	Kharadi	Pune	495	1	1	0	Unfurnished	48	24000	HULL
2 BHK Flat for Rent in Godrej Elements, Hinjawadi, Pune	Hinjewadi	Pune	862	2	2	2	Semi-Furnished	35	30000	HULL
2 BHK Flat for Rent in Blossom N Springs, Baner, Pune	Baner	Pune	1000	2	2	2	Semi-Furnished	35	35000	HULL
3 BHK Flat for Rent in Dudulgaon, Alandi, Pune	Dudulgaon	Pune	819	3	2	2	Unfurnished	24	20000	HULL
4 BHK Flat for Rent in Eon Waterfront, Kharadi, Pune	Kharadi	Pune	2500	4	6	3	Semi-Furnished	37	92000	HULL
2 BHK Flat for Rent in Gini Belvista Phase II, Dhanori Road, Pune	Dhanori Road	Pune	750	2	2	2	Semi-Furnished	35	26500	NULL
3 BHK Flat for Rent in Megapolis Sangria Towers, Hinjawadi, Pune	Hinjewadi	Pune	1500	3	3	0	Unfurnished	20	30000	NULL
 2 BHK Flat for Rent in Loni Kalbhor, Pune	Loni Kalbhor	Pune	1200	2	2	0	Unfurnished	10	12000	NULL

```
-- inserting data in the column 'room_type'
update magicbricks
set room_type = substring_index(house_type, " ",2);
-- viewing the full table
select *
from magicbricks;
```



	nouse_type	locality	city	area	beas	bathrooms	balconies	turnishing	area_rate	rent	room_type
•	1 BHK House for Rent in Mundhwa Pune	Mundhwa	Pune	550	1	1	0	Unfurnished	22	12000	1 BHK
	1 BHK House for Rent in Hadapsar Pune	Hadapsar	Pune	650	1	1	0	Unfurnished	17	11000	1 BHK
	1 BHK Flat for Rent in Riverdale Suites, Kharadi, Pune	Kharadi	Pune	495	1	1	0	Unfurnished	48	24000	1 BHK
	2 BHK Flat for Rent in Godrej Elements, Hinjawadi, Pune	Hinjewadi	Pune	862	2	2	2	Semi-Furnished	35	30000	2 BHK
	2 BHK Flat for Rent in Blossom N Springs, Baner, Pune	Baner	Pune	1000	2	2	2	Semi-Furnished	35	35000	2 BHK
	3 BHK Flat for Rent in Dudulgaon, Alandi, Pune	Dudulgaon	Pune	819	3	2	2	Unfurnished	24	20000	3 BHK
	4 BHK Flat for Rent in Eon Waterfront, Kharadi, Pune	Kharadi	Pune	2500	4	6	3	Semi-Furnished	37	92000	4 BHK
	2 BHK Flat for Rent in Gini Belvista Phase II, Dhanori Road, Pune	Dhanori Road	Pune	750	2	2	2	Semi-Furnished	35	26500	2 BHK
	3 BHK Flat for Rent in Megapolis Sangria Towers, Hinjawadi, Pune	Hinjewadi	Pune	1500	3	3	0	Unfurnished	20	30000	3 BHK
	2 BHK Flat for Rent in Loni Kalbhor, Pune	Loni Kalbhor	Pune	1200	2	2	0	Unfurnished	10	12000	2 BHK

#### **Data Cleaning**

```
-- updating house_type
update magicbricks
set house_type = substring_index(substring_index(house_type, " ",3), " ", -1);
-- viewing full table
select *
from magicbricks;
```

	house_type	locality	city	area	beds	bathrooms	balconies	furnishing	area_rate	rent	room_type
•	House	Mundhwa	Pune	550	1	1	0	Unfurnished	22	12000	1 BHK
	House	Hadapsar	Pune	650	1	1	0	Unfurnished	17	11000	1 BHK
	Flat	Kharadi	Pune	495	1	1	0	Unfurnished	48	24000	1 BHK
	Flat	Hinjewadi	Pune	862	2	2	2	Semi-Furnished	35	30000	2 BHK
	Flat	Baner	Pune	1000	2	2	2	Semi-Furnished	35	35000	2 BHK
	Flat	Dudulgaon	Pune	819	3	2	2	Unfurnished	24	20000	3 BHK
	Flat	Kharadi	Pune	2500	4	6	3	Semi-Furnished	37	92000	4 BHK
	Flat	Dhanori Road	Pune	750	2	2	2	Semi-Furnished	35	26500	2 BHK
	Flat	Hinjewadi	Pune	1500	3	3	0	Unfurnished	20	30000	3 BHK
	Flat	Loni Kalbhor	Pune	1200	2	2	0	Unfurnished	10	12000	2 BHK

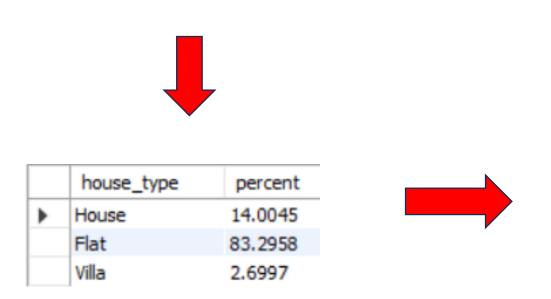
#### **Business Questions**

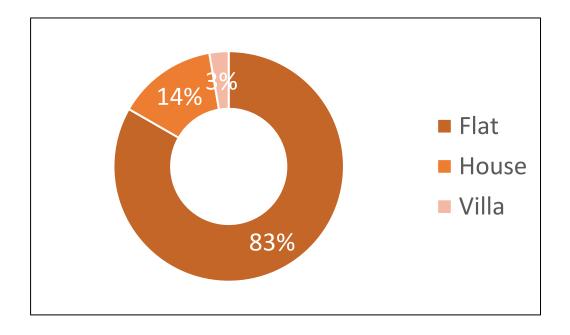
- 1. What is the percentage of various types of houses for renting?
- 2. Where are the top 5 localities with highest no. of listings?
- 3. Where are localities with the most listings for different room types?
- 4. Where is the percentage of listings with different room types?
- 5. What is the percentage of listings with different furnishing?
- 6. What are the minimum, maximum and average rent in Pune?
- 7. What are the room-type wise minimum, maximum and average Rent?
- 8. What are the top 6 localities with highest average rent?
- 9. What are furnishing-wise minimum, maximum and average Rent?

#### 1. Percentage of Various Types of Houses for Renting

```
-- Q1. Percentage of various types of houses for rent in Pune set @total:= (select count(*) from magicbricks); select @total;

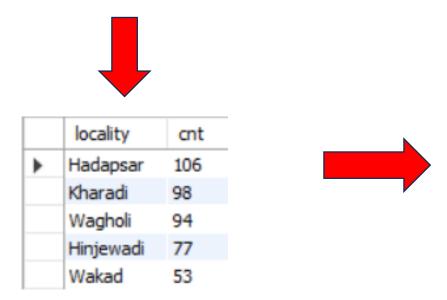
select house_type, (count(*)/@total)*100 as percent from magicbricks group by house_type;
```

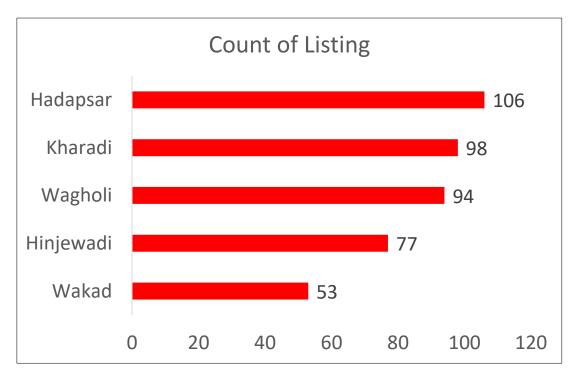




#### 2. Top 5 localities with Highest no. of Listings

```
    Q2. Top 5 popular places in Pune according to listing
    select locality, count(locality) as cnt
from magicbricks
group by locality
order by count(locality) desc
limit 5;
```





#### 3. Localities with the Most Listings for Different Room Types

```
-- Q3. Localities with most listings for different room types

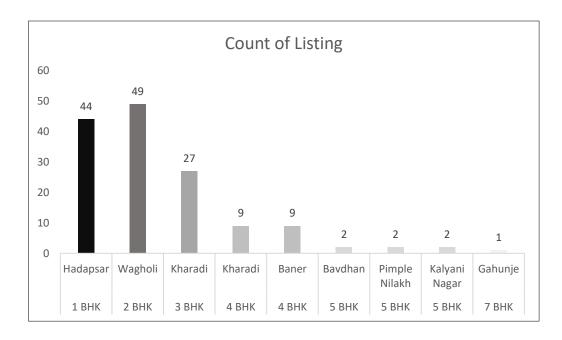
• → with c as (
select room_type, locality, count(*) as cnt, max(count(*)) over (partition by room_type) as maxm
from magicbricks
group by room_type, locality
order by room_type, count(*) desc)

select * from c
where cnt = maxm;
```



	room_type	locality	cnt	maxm
•	1 BHK	Hadapsar	44	44
	2 BHK	Wagholi	49	49
	3 BHK	Kharadi	27	27
	4 BHK	Kharadi	9	9
	4 BHK	Baner	9	9
	5 BHK	Bavdhan	2	2
	5 BHK	Pimple Nilakh	2	2
	5 BHK	Kalyani Nagar	2	2
	7 BHK	Gahunje	1	1

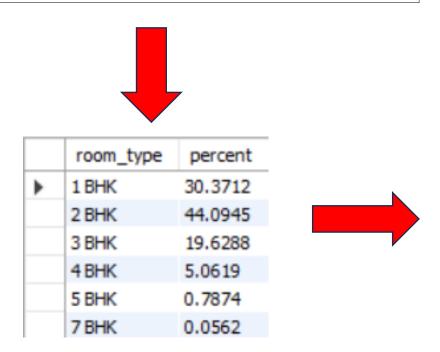


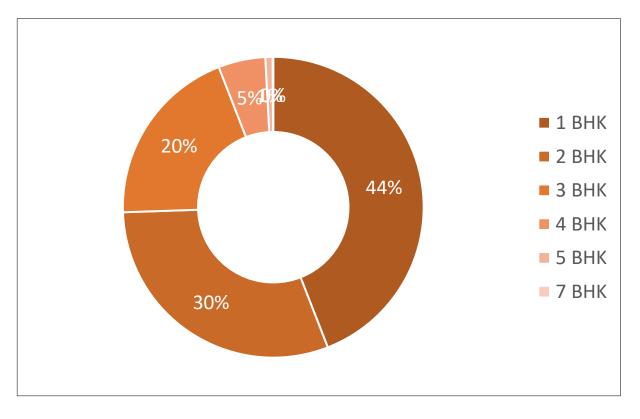


#### 4. Percentage of Listing with Different Room Types

```
-- Q4. room_type percentage

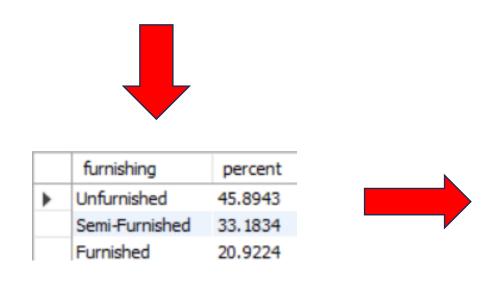
select room_type, (count(*)/@total)*100 as percent
from magicbricks
group by room_type;
```

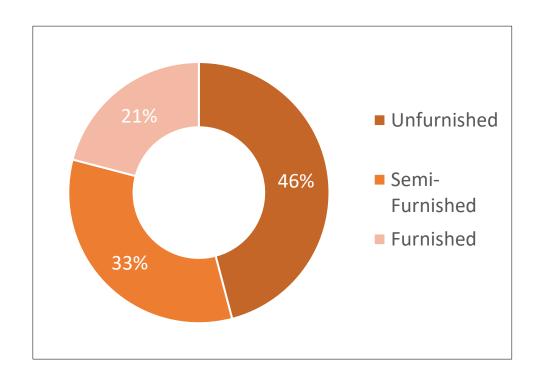




#### 5. Percentage of Listings with Different Furnishing

```
-- Q5 percentage of listings with different furnishing select furnishing, (count(furnishing)/@total)*100 as percent from magicbricks group by furnishing order by count(furnishing) desc;
```

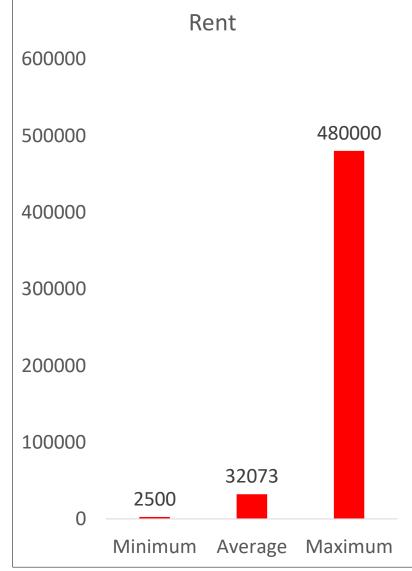




#### 6. Minimum, Maximum and Average Rent in Pune

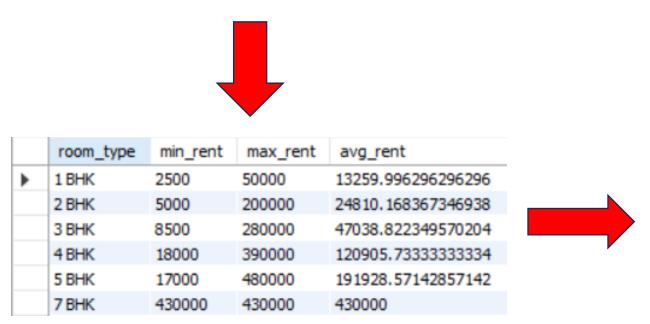
```
-- Q6. min, max and avg rent in pune
select min(rent) as min_rent, max(rent) as max_rent, avg(rent) as avg_rent
from magicbricks;
```

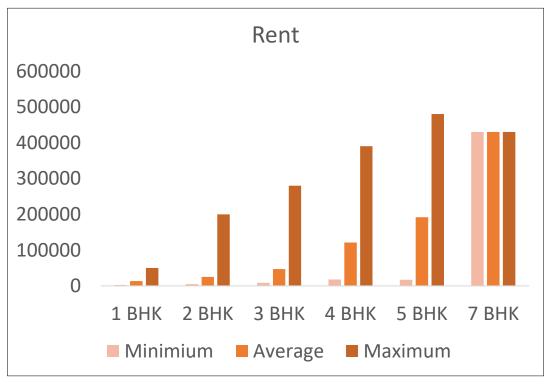




#### 7. Room-type wise Minimum, Maximum and Average Rent

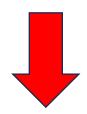
```
-- Q7 max bhk rent and min bhk rent, avg bhk rent
select room_type, min(rent) as min_rent, max(rent) as max_rent, avg(rent) as avg_rent
from magicbricks
group by room_type;
```





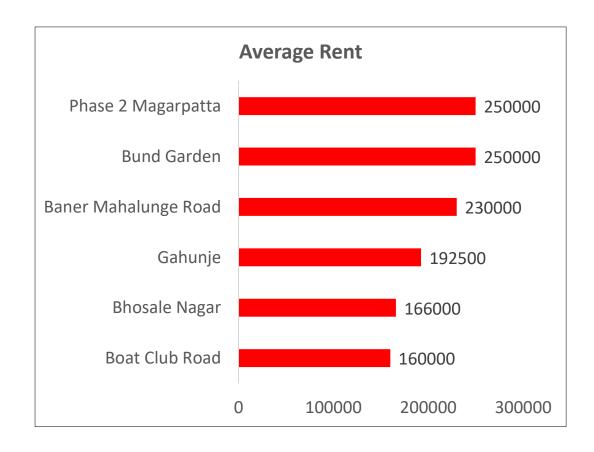
#### 8. Top 6 Localities with Highest Average Rent

```
-- Q8 top 6 localities with highest avg rent
select locality, avg(rent) as avg_rent
from magicbricks
group by locality
order by avg(rent) desc
limit 6;
```



	locality	avg_rent
•	Bund Garden	250000
	Phase 2 Magarpatta	250000
	Baner Mahalunge Road	230000
	Gahunje	192500
	Bhosale Nagar	166000
	Boat Club Road	160000



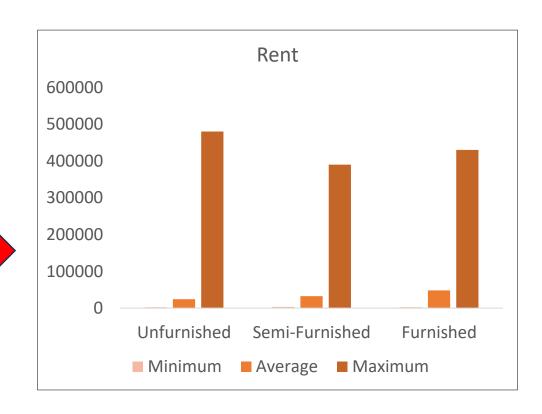


#### 9. Furnishing-wise Minimum, Maximum and Average Rent

```
-- Q9 min, max and avg rent depending on furnishing select furnishing, min(rent) min_rent, max(rent) as max_rent, avg(rent) as avg_rent from magicbricks group by furnishing;
```



	furnishing	min_rent	max_rent	avg_rent
•	Unfurnished	2500	480000	24388.280637254902
	Semi-Furnished	3500	390000	32452.852542372882
	Furnished	2500	430000	48329.61021505376



# Thank You