

## **Business Intelligence Midterm**

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**Step 1: Download any ONE of the following datasets related to Pakistan:**

Property Dataset for ISB and other cities: <https://opendata.com.pk/dataset/property-data-for-pakistan>

**Step 2:** Acquire domain knowledge (if you don't have) and then write a problem statement which you will solve using BI (just one liner).

The dataset consists of data that was scraped from Zameen.com website. It is Pakistani top leading property buy and sell platform. It provides property listing with their prices, area and coordinates for Islamabad, Rawalpindi, Lahore, Faisalabad and Karachi.

**Problem statement:**

To identify the trends in property retailing on varying basis of area, price, location and certain more attributes. We see how the price differ with the type of usage property serves. What percentage of people use the website and more.

**Step 3:** Load and Transform data (mention all steps of transformation very briefly)

**Columns: property id and location id:**

The property\_id is unique for every property listed on the website. We can take this as a registration number of the property at zameen.

The user lists a location of the property based on which an id is assigned, known as the location\_id. This determines where the property is located.

This also means that a property entry on the website will always have unique property\_id and there will be a location\_id attached to it which can be similar for two or more unique property\_id.

The screenshot shows the Power Query Editor interface with three tables:

- prop**: A table grouped by property\_id with a count of 1 for each row. The data includes rows 1 through 21.
- loc**: A table grouped by location\_id with a count of 1 for each row. The data includes rows 1 through 20.
- Replica**: A table showing a one-to-many relationship between property\_id and location\_id. It contains 7 rows from the prop table and 20 rows from the loc table.

```

= Table.Group(#"Removed Columns", {"prop"})
= Table.Group(#"Removed Columns", {"loc"})
= Table.TransformColumnTypes(#"Repla

```

	property_id	Count
1	237062	1
2	346905	1
3	386513	1
4	656161	1
5	841645	1
6	850762	1
7	937975	1
8	1258636	1
9	1402466	1
10	1418706	1
11	1425602	1
12	1586658	1
13	1623818	1
14	1665024	1
15	1879795	1
16	1879796	1
17	1947817	1
18	2230469	1
19	2234957	1
20	2384979	1
21	2642166	1

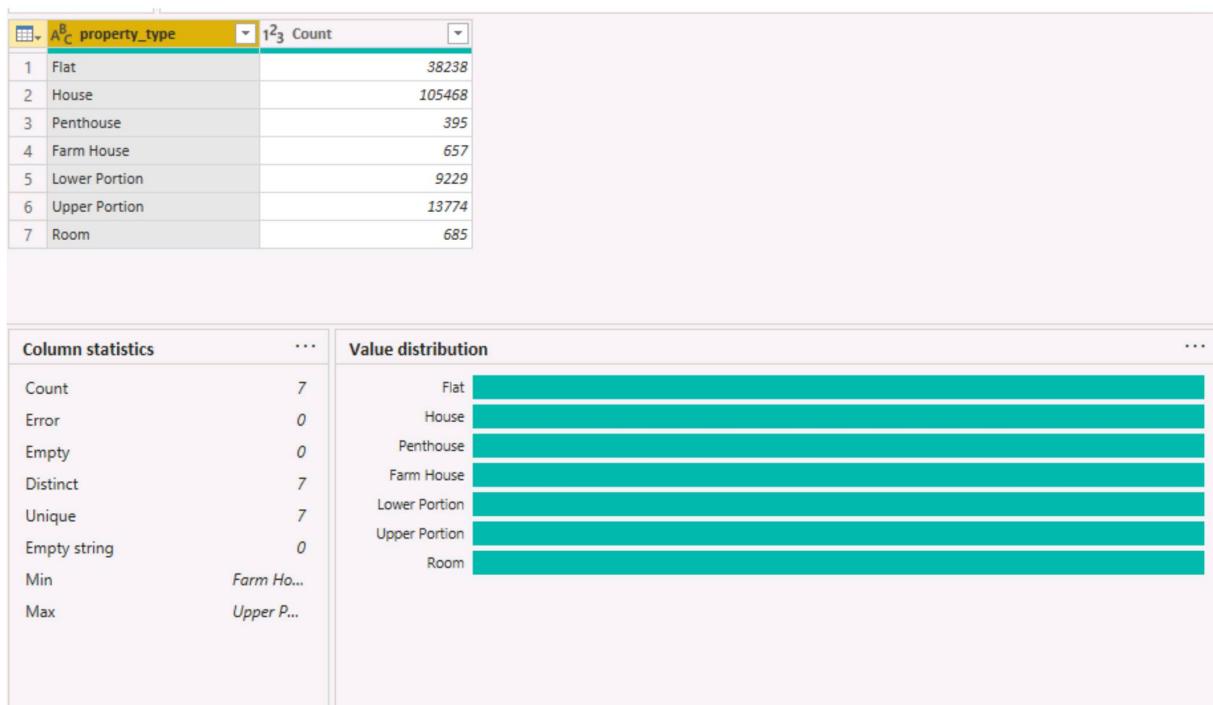
	location_id	Count
1	3325	99
2	3236	5
3	764	572
4	340	1239
5	3226	555
6	3390	23
7	445	226
8	3241	296
9	376	222
10	3282	198
11	429	171
12	3300	45
13	11905	92
14	329	1670
15	3075	104
16	9057	24
17	3116	12
18	424	636
19	3331	230
20	156	309

	A <sup>B</sup> property_id	A <sup>B</sup> location_id	A
1	237062	3325	F
2	346905	3236	F
3	386513	764	H
4	656161	340	H
5	841645	3226	H
6	850762	3390	H
7	937975	445	H

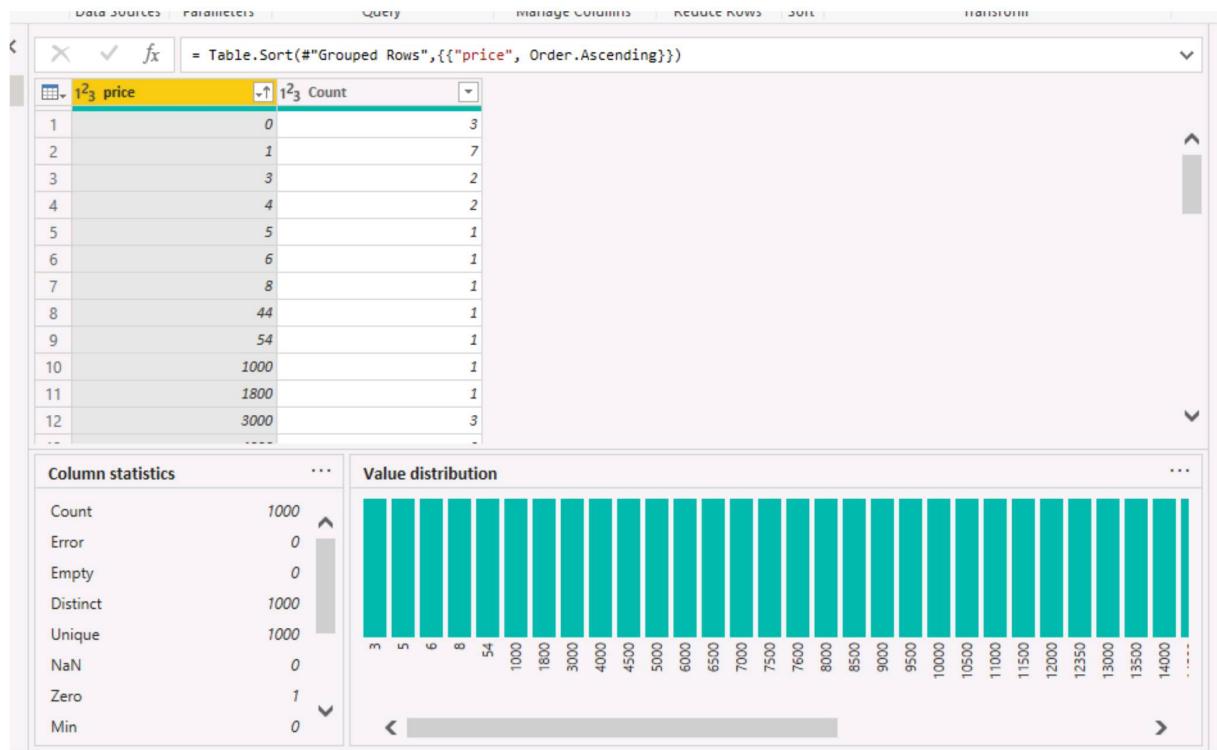
### Columns: property\_type:

This attribute describes the type of property it is. As seen in the picture there can be multiple property\_id associated with same type of property.



## Columns: price:

The price columns tell the price demanded for the property on the website. This varies on the basis of numerous different attributes. Zero here shows either the property is already sold or the price is not attribute to the corn property. In both cases we can take the zero as it is.



## Column: Page\_url

The page\_url is through which we can visualize the concerned property.

This column is deleted as every property have a unique URL and for that we have property id. This is also represented by the picture below.

Manage Columns			Reduce Rows	Sort	Transform
<code>/pes#"Promoted Headers",{{"property_id", Int64.Type}, {"location_id", Int64.Type}}</code>					
A <sub>C</sub> page_url	B <sub>C</sub>	C <sub>C</sub>	D <sub>C</sub>	E <sub>C</sub>	F <sub>C</sub>
3325	https://www.zameen.com/Property/g_10_g_10_2_ground_floor_corn...		Flat		
3236	https://www.zameen.com/Property/e_11_2_services_society_flat_av...		Flat		
764	https://www.zameen.com/Property/islamabad_g_15_house_is_availab...		House		
340	https://www.zameen.com/Property/islamabad_bani_gala_a_rare_mi...		House		
3226	https://www.zameen.com/Property/dha_valley_dha_homes_islamab...		House		
3390	https://www.zameen.com/Property/ghauri_town_ghauri_town_phas...		House		
445	https://www.zameen.com/Property/islamabad_korang_town_1_kana...		House		
3241	https://www.zameen.com/Property/e_11_e_11_4_apartment_for_sal...		Flat		
376	https://www.zameen.com/Property/dha_defence_dha_defence_phas...		House		
3282	https://www.zameen.com/Property/f_11_f_11_1_f_11_1_penthouse...		Penthouse		
429	https://www.zameen.com/Property/islamabad_diplomatic_enclave_a...		Flat		
429	https://www.zameen.com/Property/islamabad_diplomatic_enclave_u...		Flat		

Data Preview      Columns      Formulas      Advanced      Dependencies

Property Data

property_id	location_id	page_url	property_type	price
237062	3325	https://www.zameen.com/Property/g_10_g_10_2_ground_floor_corn...	Fiat	
346905	3236	https://www.zameen.com/Property/e_11_2_services_society_flat_av...	Fiat	
386513	764	https://www.zameen.com/Property/islamabad_g_15_house_is_avalla...	House	
656161	340	https://www.zameen.com/Property/islamabad_bani_gala_a_rare_mi...	House	
841645	3226	https://www.zameen.com/Property/dha_valley_dha_homes_islamab...	House	
850762	3390	https://www.zameen.com/Property/ghauri_town_ghauri_town_phas...	House	
937975	445	https://www.zameen.com/Property/islamabad_korang_town_1_kana...	House	
1258636	3241	https://www.zameen.com/Property/e_11_e_11_4_apartment_for_sal...	Fiat	

Column statistics

Count	1000
Error	0
Empty	0
Distinct	1000
Unique	1000
Empty string	0
Min	https://...
Max	https://...

Value distribution

DWS Column profiling based on top 1000 rows

## Column:location

Location where we can pinpoint certain property. Location can be a block, society or some kind of road.

Table:location

location	Count
Gujjar Colony	1
Bilal Road	1
Islamabad View Valley	1
Lyallpur Town	1
Sahianwala	1
Millat Chowk	1
Shamkay Bhattian	1
Wireless Residential Colony	1
Gangaal	1
Gulnishan Park	1
Nabha Road	1
Erum Villas	1
Jewa Town	1
Faisal Valley	1
Ahlu Road	1
Sir Syed Road	1
Lawyers Housing Society	1
Islamabad, Islamabad Capital	1
Baba Fareed Road	1
Abu Alkhair Road	1
Ataturk Avenue	1
Saadi Park	1
Aiza Garden	1

### Column: date\_added:

This is our main time column and with check KPIs according to this.

The screenshot shows the 'Column quality' editor in Power BI. The top navigation bar includes 'Column quality', 'Data Preview', 'Columns', 'Parameters', 'Editor', and 'Dependencies'. Below the navigation is a toolbar with icons for 'X', '✓', 'fx', and a formula bar containing the DAX code: `= Table.Sort(#"Grouped Rows",{{"date_added", Order.Descending}})`. The main area displays a table titled 'y-data' with two columns: 'date\_added' and 'Count'. The data is sorted by date in descending order. The table has 22 rows, starting from 1 and ending at 22. The 'date\_added' column contains dates from July 18, 2019, down to June 25, 2019. The 'Count' column shows the number of entries for each date, with the highest count being 3663 on July 18, 2019.

	date_added	Count
1	7/18/2019	3663
2	7/17/2019	8058
3	7/16/2019	5714
4	7/15/2019	4030
5	7/14/2019	1672
6	7/13/2019	1850
7	7/12/2019	3414
8	7/11/2019	4124
9	7/10/2019	5063
10	7/9/2019	3299
11	7/8/2019	404
12	7/5/2019	1350
13	7/4/2019	6815
14	7/3/2019	9485
15	7/2/2019	6604
16	7/1/2019	4879
17	6/30/2019	2514
18	6/29/2019	3537
19	6/28/2019	4276
20	6/27/2019	6639
21	6/26/2019	2431
22	6/25/2019	2086

## Column: agency:

Agency have missing values; these are replaced by ‘unknown agency’ showing the agency is not assigned yet or the seller is independent and selling himself.

	agency	Count
1	Easy Property	25
2	Ettemad Enterprises	32
3	Crown Associate	5
4	Al Sahar Estate	108
5	Infinity Properties	131
6	Paris Real Estate & Builders	12
7	Property Syndicate	3
8	Zorje Pvt Ltd	45
9	Nexus Estate Services	93
10		
11		
12		
13		

	agency	Count
1	Unknown agency	44071
2	Easy Property	25
3	Ettemad Enterprises	32
4	Crown Associate	5
5	Al Sahar Estate	108
6	Infinity Properties	131
7	Paris Real Estate & Builders	12
8	Property Syndicate	3
9	Zorje Pvt Ltd	45
10	Nexus Estate Services	93
11	Real Biz International	2
12	Khan Estate	17
13	Shahum Estate 2	1

Replace Values

Replace one value with another in the selected columns.

Value To Find:

Replace With:  Unknown agency

Advanced options

OK Cancel

## Column: agent:

Agent have missing values; these are replaced by ‘unknown agent’ showing the agent is not assigned yet or the seller is independent and selling himself.

The screenshot displays two tables in the Power BI Data Editor. The left table, titled 'A<sup>B</sup> agent', contains 17 rows of data with a 'Count' column. The right table, also titled 'A<sup>B</sup> agent', shows the same data but includes an additional row at the top for 'Unknown Agent' with a count of 44072. Both tables have a header row with columns for 'Count' and 'Count'.

	Count	Count
1	44072	
2	11	Muhammad Junaid Ceo Muhammad Shahid Dire...
3	12	Balqiaz Marwat
4	4	Abrar Ahmed
5	14	Zahid H. Usmani
6	5	Ettemad
7	193	Ali
8	1	Chaudhary Naveed
9	3	Rizwan Shafqat
10	45	Obaid Abbasi
11	30	Ch Afzal/ Ch Faisal/ Ch Adeel
12	10	Usama Khan
13	1	mohsinkhan and B
14	1	Babar Hameed, Raja Omar
15	24	Group Captain (R) Tajammul Baig
16	20	Ahmed Sheraz Sukhera
17	16	Imran Shahad

	Count	Count
1	44072	Unknown Agent
2	11	Muhammad Junaid Ceo Muhammad Shahid Dire...
3	12	Balqiaz Marwat
4	4	Abrar Ahmed
5	14	Zahid H. Usmani
6	5	Ettemad
7	193	Ali
8	1	Chaudhary Naveed
9	3	Rizwan Shafqat
10	45	Obaid Abbasi
11	30	Ch Afzal/ Ch Faisal/ Ch Adeel
12	10	Usama Khan
13	1	mohsinkhan and B
14	1	Babar Hameed, Raja Omar
15	24	Group Captain (R) Tajammul Baig
16	20	Ahmed Sheraz Sukhera
17	16	Imran Shahad
18	6	Rana Shahzad
19	1	Ch. Tariq Ali Ranjha
20	57	Khalid Saeed Khan
21	29	Irfan Rehman Khan
22	1	Nabeel Khalid Ch M Naveed Muhammad Bin Sha...
23	1	Miss Noor ul Huda

Data Sources Parameters Query Manage Columns Reduce Rows Sort Transform

= Table.Group(#"Replaced Value", {"agent"}, {"Count", each Table.RowCount(\_), Int64.Type})

Replace Values

Replace one value with another in the selected columns.

Value To Find

Replace With  Unknown Agent

OK Cancel

	Count
1	
2 Muhammad Junaid Ceo	20
3 Balqiaz Marwat	16
4 Abrar Ahmed	6
5 Zahid H. Usmani	
6 Ettemad	
7 Ali	
8 Chaudhary Naveed	
9 Rizwan Shafqat	
10 Obaid Abbasi	
11 Ch Afzal/ Ch Faisal/ Ch A	
12 Usama Khan	
13 mohsinkhan and B	
14 Babar Hameed, Raja On	
15 Group Captain (R) Tajan	
16 Ahmed Sheraz Sukhera	20
17 Imran Shahad	16
18 Rana Shahzad	6

### Column: city, province\_name

These show city and provinces of pakistan from where the property is being registered. We can say these are the main consumers.

	A <sup>B</sup> <sub>C</sub> city	1 <sup>2</sup> <sub>3</sub> Count
1	Islamabad	37426
2	Lahore	41427
3	Faisalabad	8133
4	Rawalpindi	20976
5	Karachi	60484

	A <sup>B</sup> <sub>C</sub> province_name	1 <sup>2</sup> <sub>3</sub> Count
1	Islamabad Capital	37426
2	Punjab	70536
3	Sindh	60484

### Column: baths, bathroom

The category bath and bedroom shows how many values exist in each.

	1 <sup>2</sup> <sub>3</sub> baths	1 <sup>2</sup> <sub>3</sub> Count
1	2	25754
2	3	34603
3	6	16648
4	4	19407
5	8	2035
6	7	5385
7	5	15303
8	0	42382
9	1	5356
10	10	855
11	9	696
12	11	5
13	13	3
14	12	10
15	403	1
16	14	3

	1 <sup>2</sup> <sub>3</sub> bedrooms	1 <sup>2</sup> <sub>3</sub> Count
1	2	30741
2	3	45867
3	5	23452
4	4	23027
5	8	1451
6	7	2973
7	0	22704
8	1	4434
9	6	11929
10	10	611
11	12	25
12	9	782
13	11	416
14	14	8
15	15	7
16	16	4
17	13	3
18	18	2
19	28	4
20	25	3
21	21	1
22	68	1
23	27	1

**Step 4:** List down dimensions (with different types as done in class) along with KPIs (to be extracted from transformed data)

Columns renamed as per the followed pattern.

Columns:

- Property.id (this works as an index number as its unique for every entry) (ok)
- Location.id // (ok)
- Property.type // (ok)
- Price (diversity in sale prices as expected) // (ok)
- Location (ok)
- City (ok)
- Province.name (ok)
- Latitude
- Longitude
- Baths
- Area
- Purpose
- Bedrooms
- Date.added
- Agency
- agent

Dimensions (normal):

- certain agencies have certain agents, one agent from agencies does not belong to other.
  - (AG1) agency
  - (AG2) agent
- The latitude and longitude are also taken as dimension that this can effect the price of a property as well as the area a certain latitude and longitude can have.
  - Latitude
  - Longitude

Dimensions (time):

- Date.added

Dimensions (location):

- Province.name
- city
- Location (slider may come) // here location\_id can also be used as each location have a particular id.
- Property.type (this can also be used in a normal setting)
- Purpose (does not really have to be part of location hierarchy)

Hierarchy of locations as shown above to:

Province.name → city → location → Property.type → purpose

Measure:

- Price
- Area
- Bedrooms
- Baths (this can be also seen with bedrooms)

We can analyze through screenshots reasoning to upper dimensions and measures.

### For agency and agent:

A <sup>B</sup> <sub>C</sub> agency	A <sup>B</sup> <sub>C</sub> agent	1 <sup>2</sup> <sub>3</sub> Count
1 Unknown agency	Unknown Agent	44071
2 Easy Property	Muhammad Junaid Ceo Muhammad Shahid Dire...	11
3 Ettemad Enterprises	Balqiaz Marwat	12
4 Crown Associate	Abrar Ahmed	3
5 Al Sahar Estate	Zahid H. Usmani	14
6 Ettemad Enterprises	Ettemad	5

For every unknown agent the agency is unknown or vice versa. Meaning these blank spaces are not mistakes but have some meaning.

A <sup>B</sup> <sub>C</sub> agency	A <sup>B</sup> <sub>C</sub> agent	1 <sup>2</sup> <sub>3</sub> Count
1 maliktasaduq110@gmail. com	Malik Tasdaq Hussain, Mazhar ul Haq	1
! iftikhar Chaudhary Real Estate C...	Iftikhar Chaudhary	1
i Real Estate (Insaf Group)	Abid Hussain	1
j Zuraaco Real Estate Services	Baqar Kamani	4
j Zuraaco Real Estate Services	Bilal Shiekh	6
j Zuraaco Real Estate Services	Asif Saeed	2
r Zuraaco Real Estate Services	Syed Hassan Bukhari	1
j Zuraaco Real Estate Services	Baqar Hussain	1
j Zuraaco Real Estate Services	Ammar Aslam	12
0 Zuraaco Real Estate Services	Bilal Shahid	18
1 Zuraaco Real Estate Services	Bilal Mansuri	5
2 Zulfiqar Enterprises	Zulfiqar Ali	5
3 Zulfiqar Enterprises	Deal To Owner On Cash Payment	1
4 Zulfiqar Enterprises	Bilal mughal 0512722244	1
5 Zulfiqar Enterprises	Bilal	20
6 Zulfiqar Enterprises	Waqar ul Haq	1
7 Zulfiqar Enterprises	Bilal Mughal	6
8 Zubair Properties	Zubair Khawar Butter	1
9 Zubair Estate Agency	Qadeer Ahmed Zubair	19
0 Zubair Estate Advisor	Sheikh Zubair	13
1 Zubair Estate Advisor	Sheikh Zubair Arif	1
2 Zubair Estate Advisor	Arif Sheikh	4
3 Zubair Estate	Zubair Khan	8

For agent and agency, we can see the relation.

Every agent has an agency and agency can have multiple agents. There are for some properties unknown agent and agencies. Meaning either the property is sold already, no agency was assigned to it – meaning no agent as well until now or simply its an independent seller selling it.

### For Date.added:

Here we have 124 different date entries. The spans over from the 8<sup>th</sup> month of 2018 till the 7<sup>th</sup> month of 2019. Basically, this data covers time of 1 year.

	Date.added	Count
1	8/5/2018	3
2	8/6/2018	1
3	8/7/2018	506
4	8/8/2018	620
5	8/9/2018	7
6	8/20/2018	13
7	8/21/2018	494
8	8/22/2018	204
9	9/4/2018	7
10	9/5/2018	3
11	9/6/2018	504
12	9/7/2018	615
13	9/8/2018	6
14	9/19/2018	31
15	9/20/2018	971
16	9/21/2018	372
17	10/4/2018	7
18	10/5/2018	6
19	10/6/2018	685
20	10/7/2018	523
21	10/8/2018	9
22	10/19/2018	15
23	10/20/2018	1374
24	10/21/2018	82

	Date.added	Count
01	6/21/2019	1947
02	6/24/2019	26
03	6/25/2019	2086
04	6/26/2019	2431
05	6/27/2019	6639
06	6/28/2019	4276
07	6/29/2019	3537
08	6/30/2019	2514
09	7/1/2019	4879
10	7/2/2019	6604
11	7/3/2019	9485
12	7/4/2019	6815
13	7/5/2019	1350
14	7/8/2019	404
15	7/9/2019	3299
16	7/10/2019	5063
17	7/11/2019	4124
18	7/12/2019	3414
19	7/13/2019	1850
20	7/14/2019	1672
21	7/15/2019	4030
22	7/16/2019	5714
23	7/17/2019	8058
24	7/18/2019	3663

**Step 5:** List down some potential analyses (can be identified from Step 4)

Questions:

Which dimensions affected the price negatively and which have a positive effect and why?

Time Dimension: Analyze KPI's across time dimension

1. What are temporal trends of KPI's across Date.added.

Location Dimension:

2. Analyze KPI's across location hierarchy.

Normal Dimension:

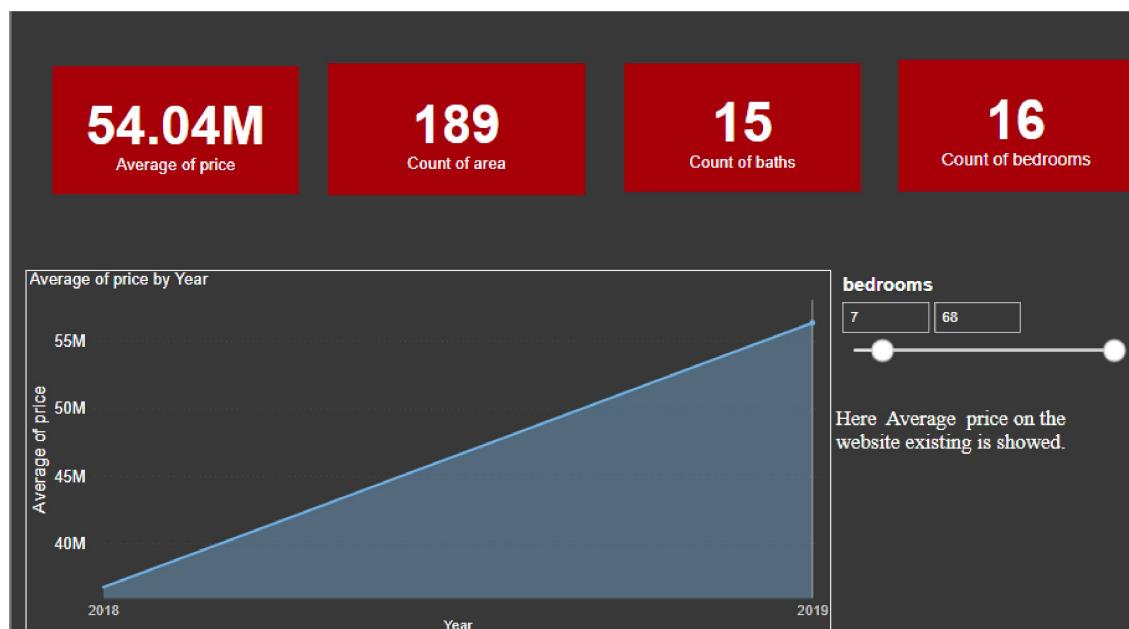
3. Analyze KPI's across agents and agencies together
4. Analyze KPI's across latitude and longitude of an area.

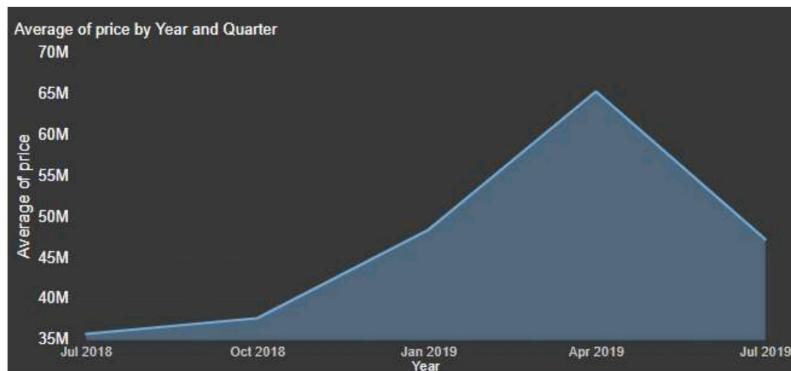
Slicers:

- Location, bath, bedroom, purpose, city.

**Step 6:** Draw BI charts in PowerBI and explain each page (how it solves the problem).

The average price is plotted against date.added- the time variable. We see the average price increasing from 2018 to 2019. This can also be due to the fact that we have more data related to 2019 rather than 2018.



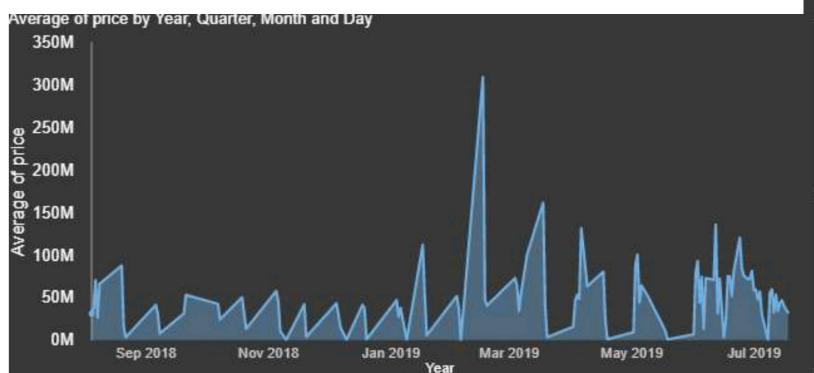


As we see that January 2019 till July 2019 shows peak in average price.

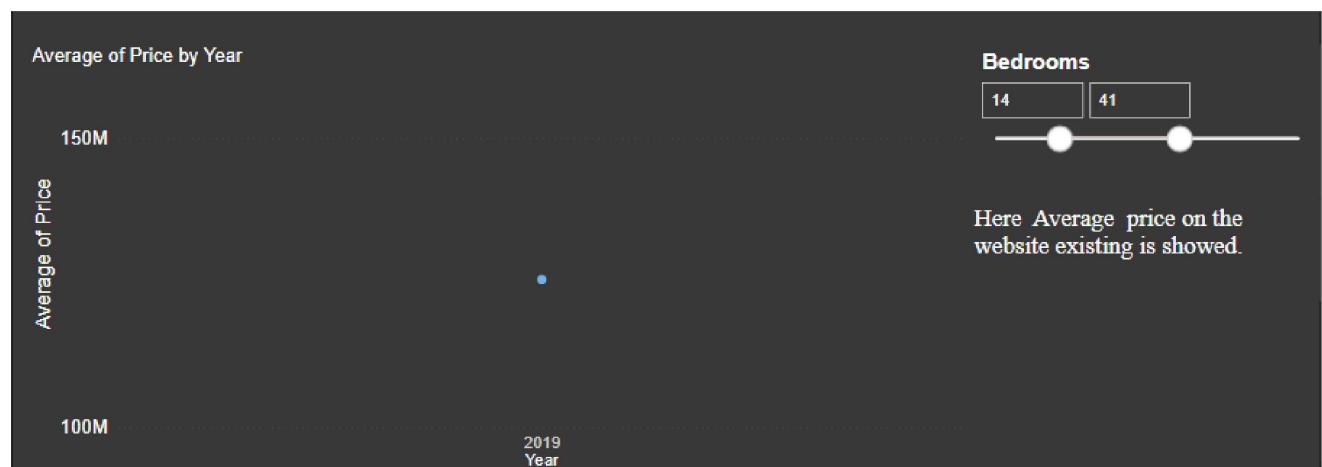


March 2019 have the highest average price showing good amount of property were registered. But there is a low after every month and July 2019 shows a low too compared to march 2019.

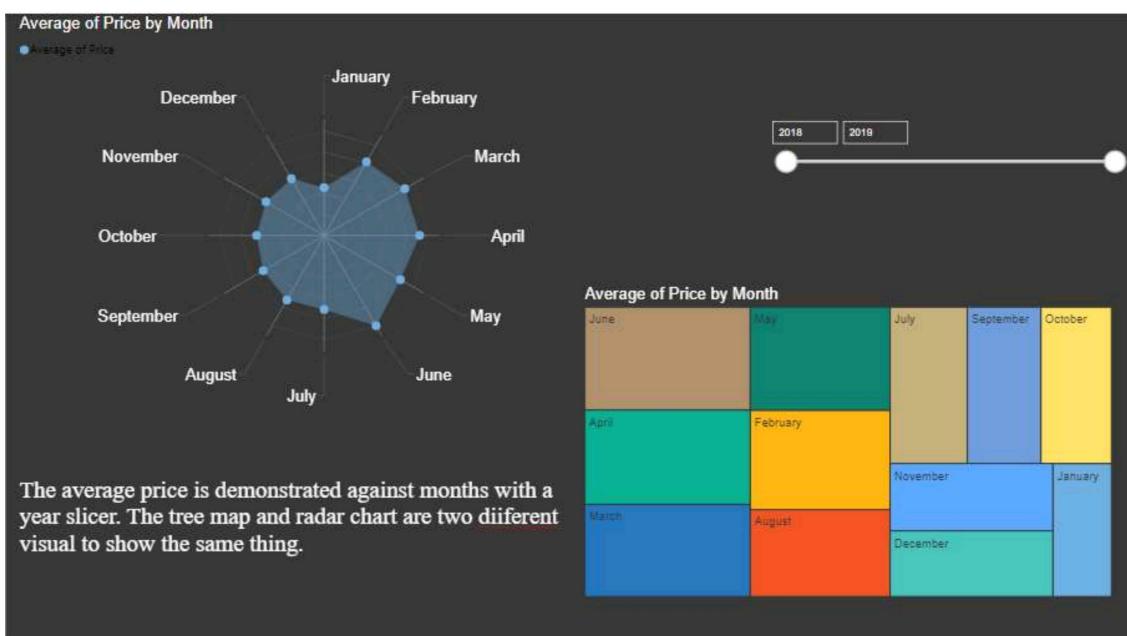
The practices and routines followed in that month should be studied to look for solid reasons affecting these highs and lows.



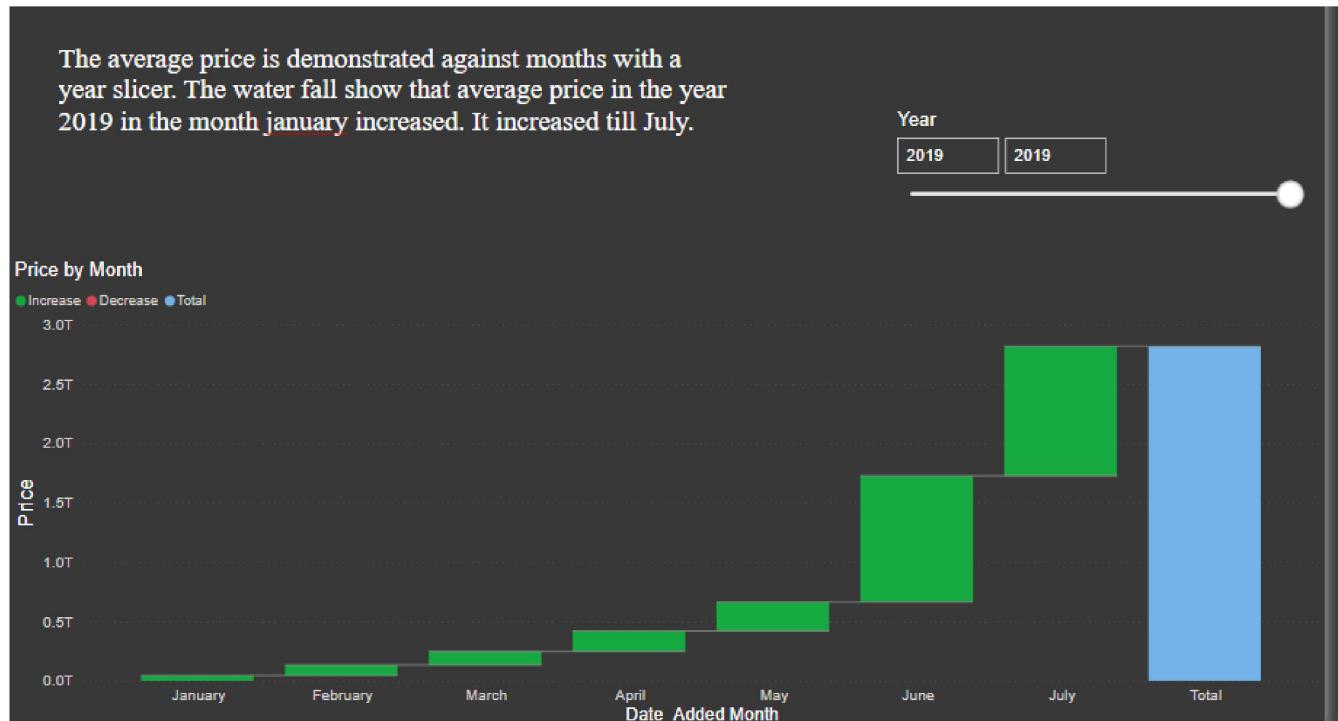
The bedroom slicer is used to show the outliers as we have very few properties having 13 bedrooms and more.



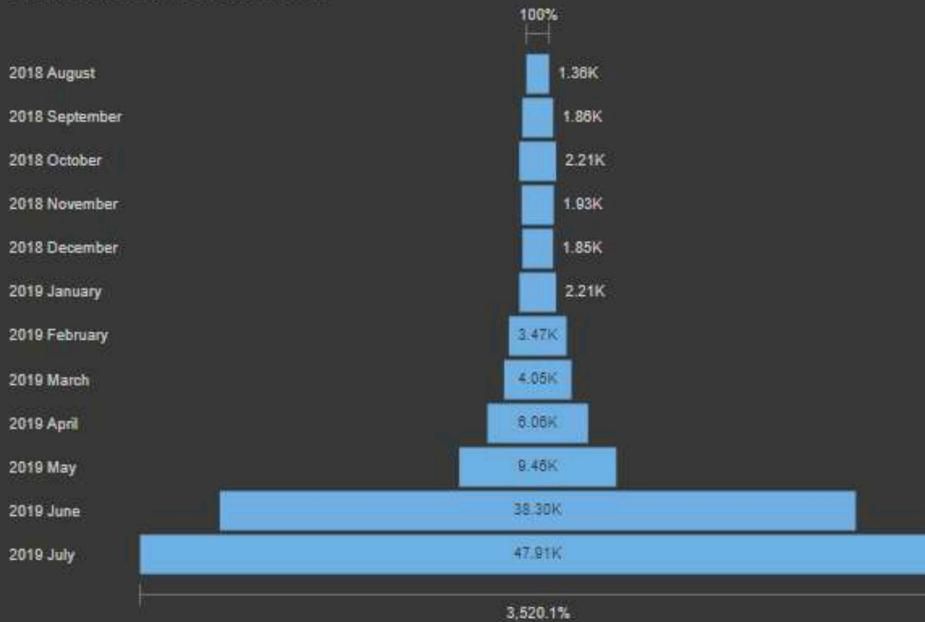
The average price is demonstrated against months with a year slicer. The tree map and radar chart are two different visual to show the same thing. The Radar chart also shows the height in March and June. Since its of both years the months average price is shown larger than the area chart before.



The average price is demonstrated against months with a year slicer. The waterfall show that average price in the year 2019 in the month January increased. It increased till July.



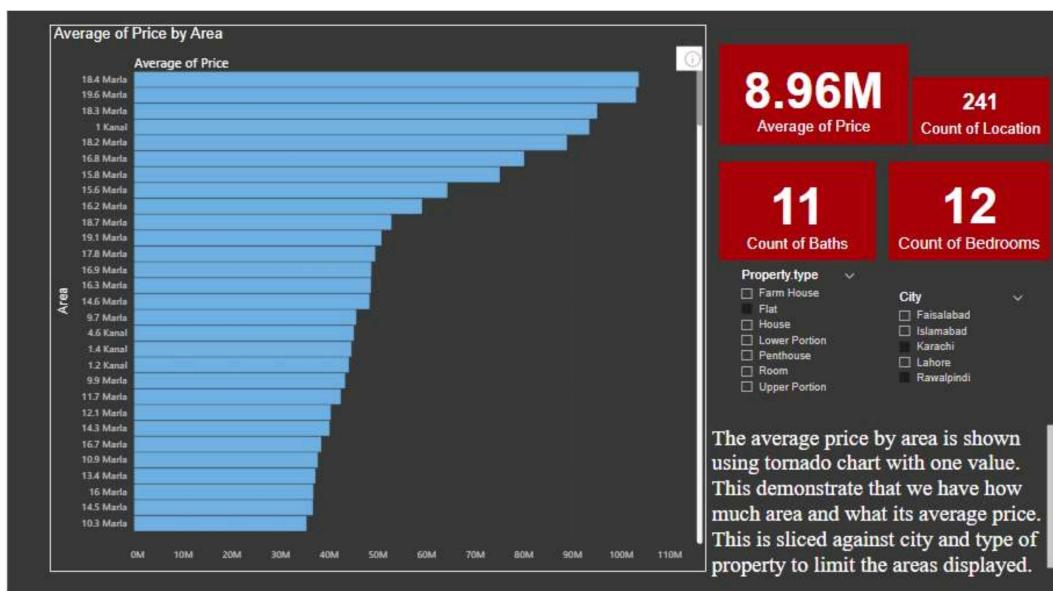
Count of Area by Year and Month



Purpose  
For Rent  
For Sale

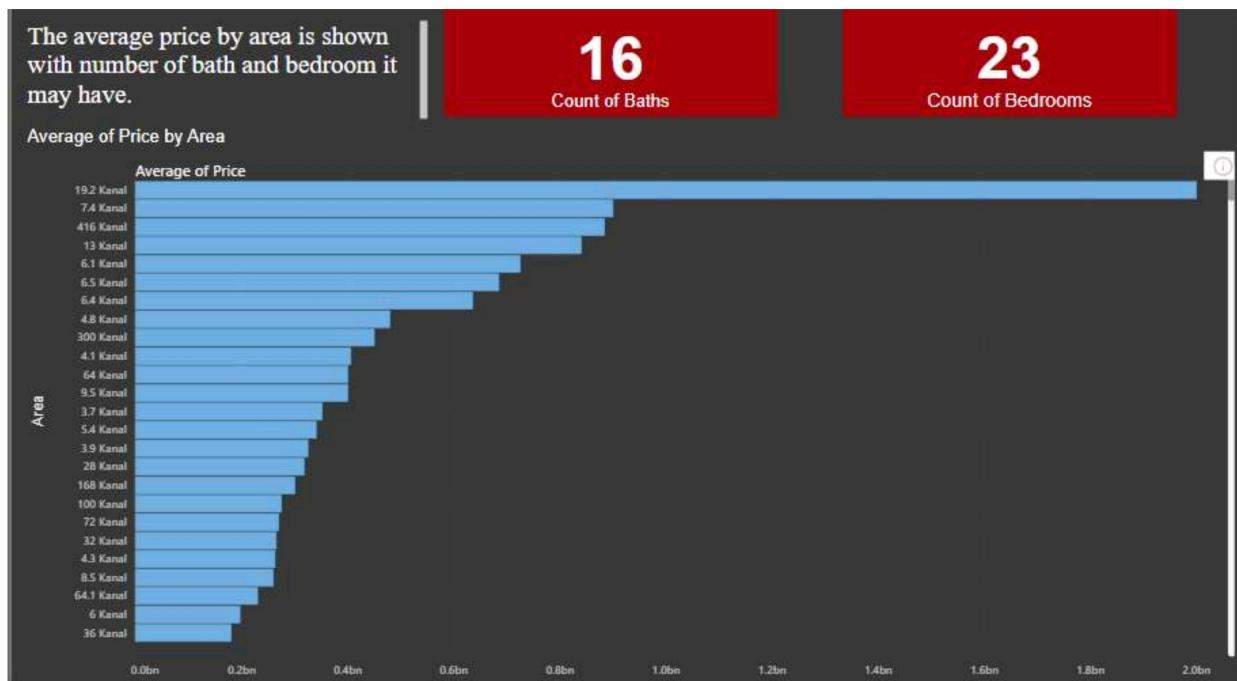
The chart shows the type of area being sold increased as the time goes of. These can be due to shortage of data. Or shows the growth of business. We can also say that their is a huge shift in type of area to sale in june as compared to march. Same goes for rent. But if compare the rent and sales respectively we can see that type of area being sold increased more positively then the rented area.

The average price by area is shown using tornado chart with one value. This demonstrate that we have how much area and what its average price. This is sliced against city and type of property to limit the areas displayed. Now we can click the area, select the property type and city to get its average price.

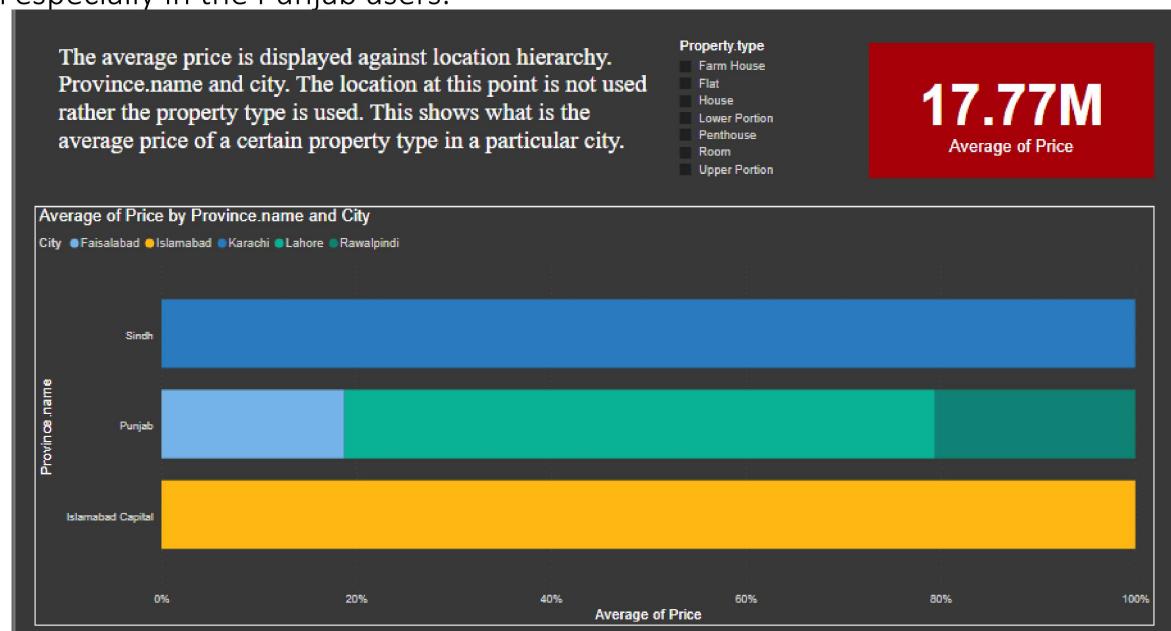


For a flat of 1 kanal in Karachi or Rawalpindi, average cost is 93M. In the same city A house is almost of an average price of 53M. This demonstrate either we have more users selling flats rather than houses. This analysis may be restricted to only this cities.

This shows some areas as big as 19.2 and 7.4 kanal with one or two bedroom and bathroom. Showing the website do help sell unconstructed property but the sum for such cases is low. The company can do something to improve to sell land without any constructions as it may have larger are and higher prices. This simply means we need to attract big buyers something like industrialist.



As said the average price for each type of property differ in each city. This can lead to few assumption; either we have more data for certain cities, or we have more websites user in Sindh and Islamabad. This can also mean our market value face a certain downfall in few areas. This average price value is for all property type, we can see it for individual type to see difference. Even different propert.type shows almost same pattern so business owners need to tackle downfall especially in the Punjab users.

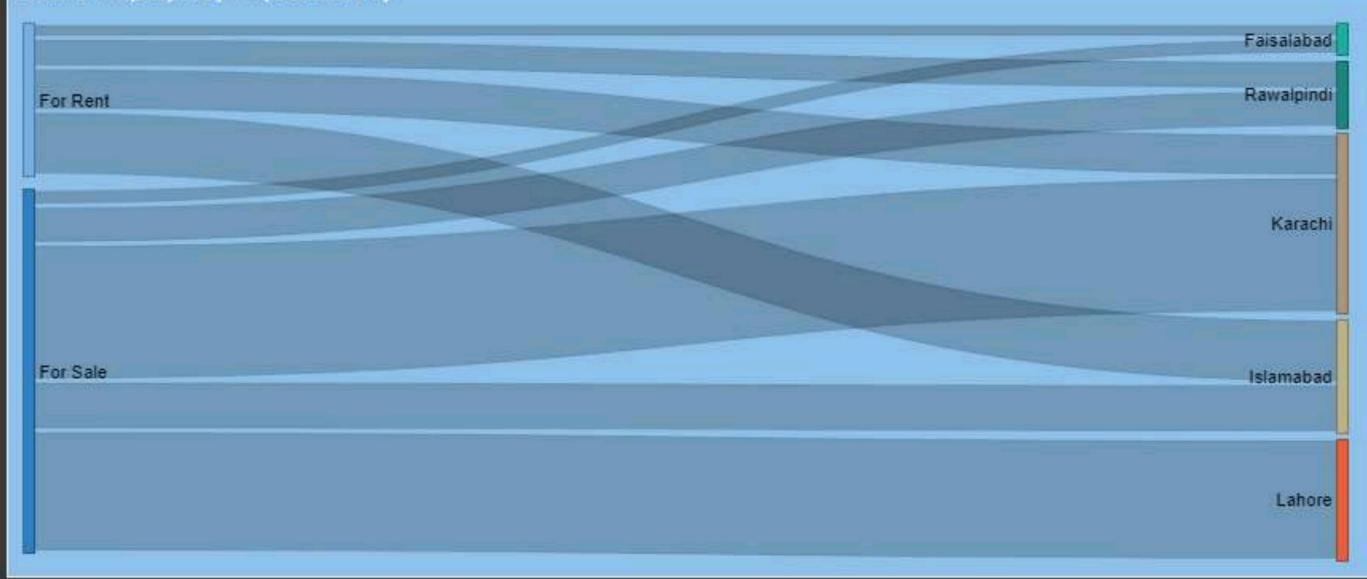


Average price by province name ,city and location shows that some neighboring location may differ in average price for same property type. This allow us to analyze according to area and property type it may have.



The sankey shows which city is more saling invested than the other. The karachi user capture a huge part in saling, next is Lahore. Renting rate for karachi do exist but for lahore no property is bing rented from their. This means the companys renting markeing sector in lahore is collapsing this may need innediate actions.

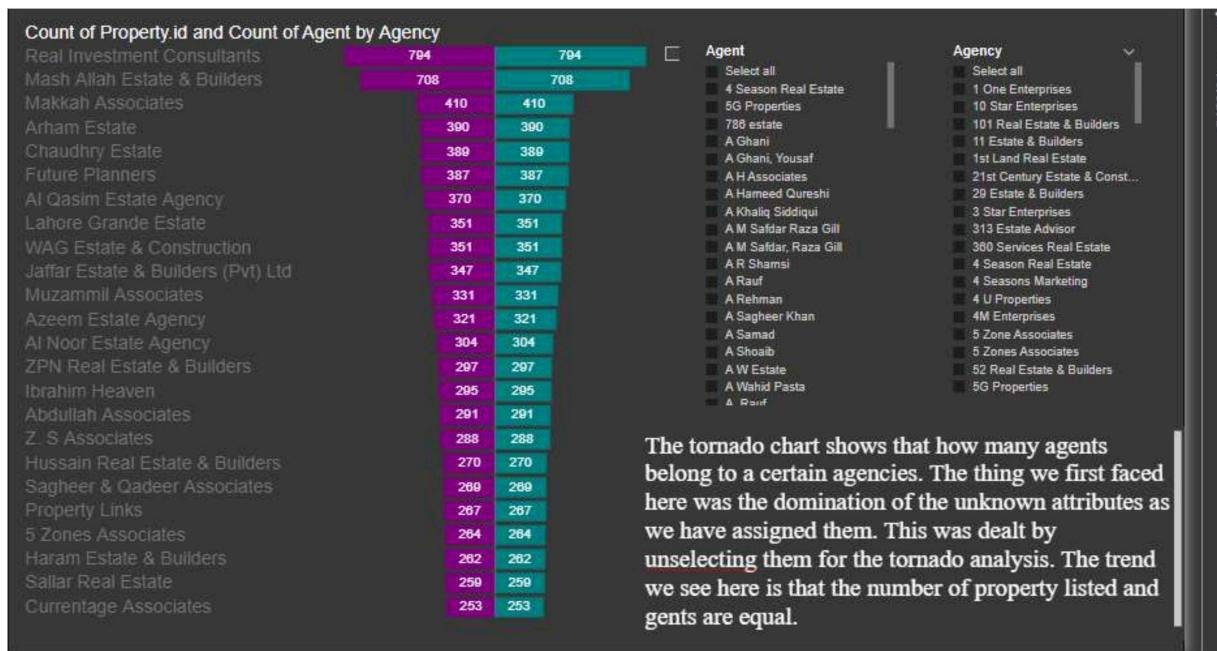
Count of Property.id by Purpose and City



### Count of property\_id and Count of agent by agency

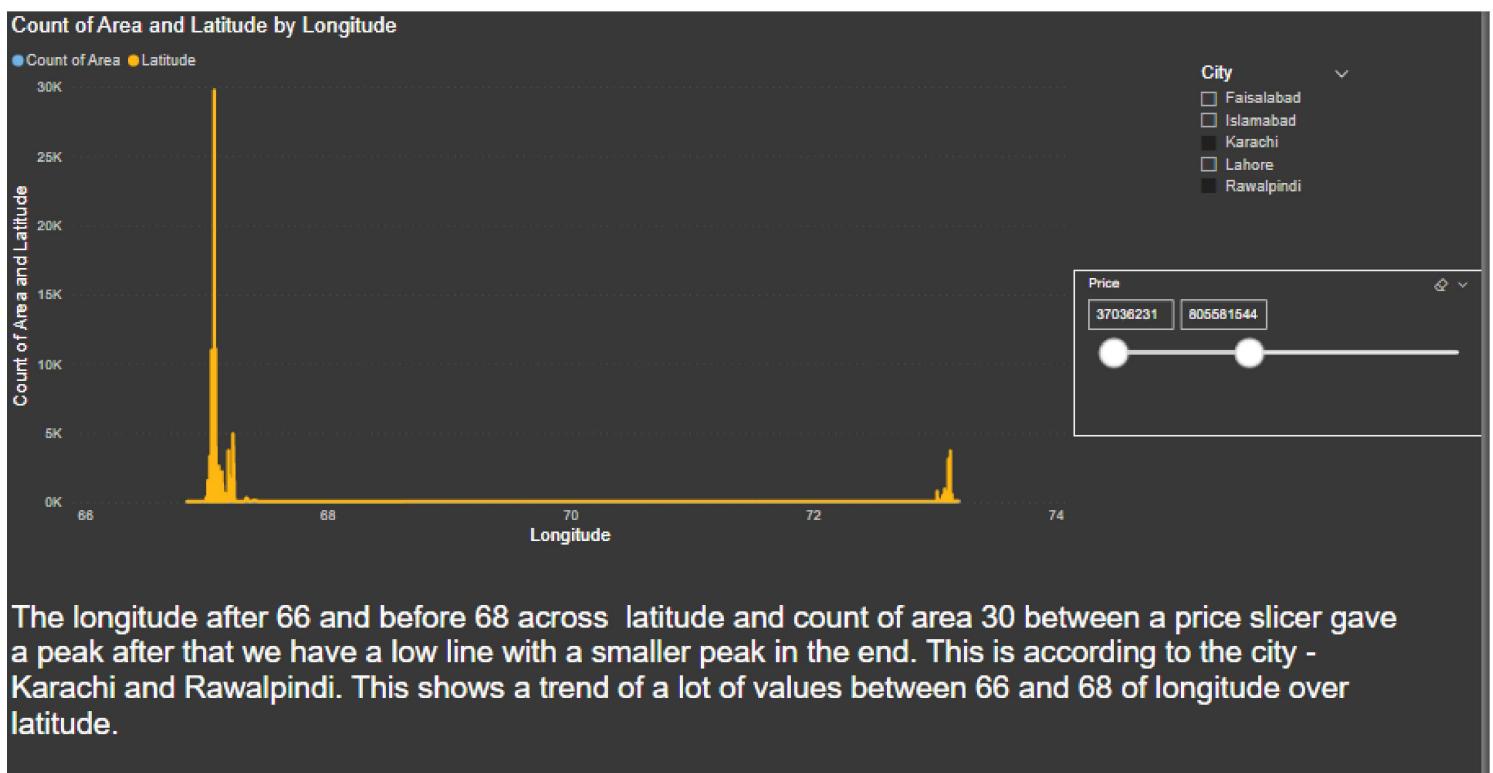
Unknown Agency	44071	44071	L	agent
Abdul Rehman & Associates	754	754		Sardar Sayid Khan
MAN ALI ESTATE & BUILDERS	708	708		Sardar saqib Razzaq
MAMAN ASSOCIATES	410	410		Sardar saqib Razzaq
Ahsan Estate	290	290		sardar Sarfaraz
Chaudhry Estate	289	289		sardar sarof khan
Faisal Properties	287	287		Sardar Sorab
Al Qasim Estate Agency	278	278		Sardar Tahir
Umaria Devine Estate	251	251		Sardar Touqeer Ishaq
WAJ Estate & Developers	251	251		Sardar Tufail
Jaffer Estate & Builders (Private)	247	247		Sardar Umaid
Munirul Associates	231	231		Sardar Umair
Ahsan Estate Agency	221	221		Sardar Usman
Al Noor Estate Agency	204	204		Sardar Usman Tanq
ZPH Real Estate & Builders	201	201		Sardar Waheed Akhter
Siddiqui Hussain	205	205		sardar wajid
Abdullah Associates	201	201		Sardar Wajid Hussain
Z. S. Associates	200	200		Sardar Waqas Ali
Hassan Real Estate & Builders	270	270		Sardar Waseem
Sohail & Zahoor Associates	209	209		Sardar Waseem Parvez
Property 1444	207	207		Sardar Wasid
S. Z. Sons Associates	204	204		Sardar Yasir
Hayat Estate & Builders	202	202		Sardar Yasir Khan
Saleem Real Estate	201	201		Sardar Yasir Manzoor
				Sardar Zahid Aziz
				sardar zeeshan
				Sardar Zia Ul Mustafa
				Sardar Zia Ul Mustafa
				Sardar Zubair
				Sarfaraz
				Sarfaraz Ahmed
				Sarfaraz Ahmed Sidhu
				Sarfaraz Ali
				Sarfaraz Ahmad

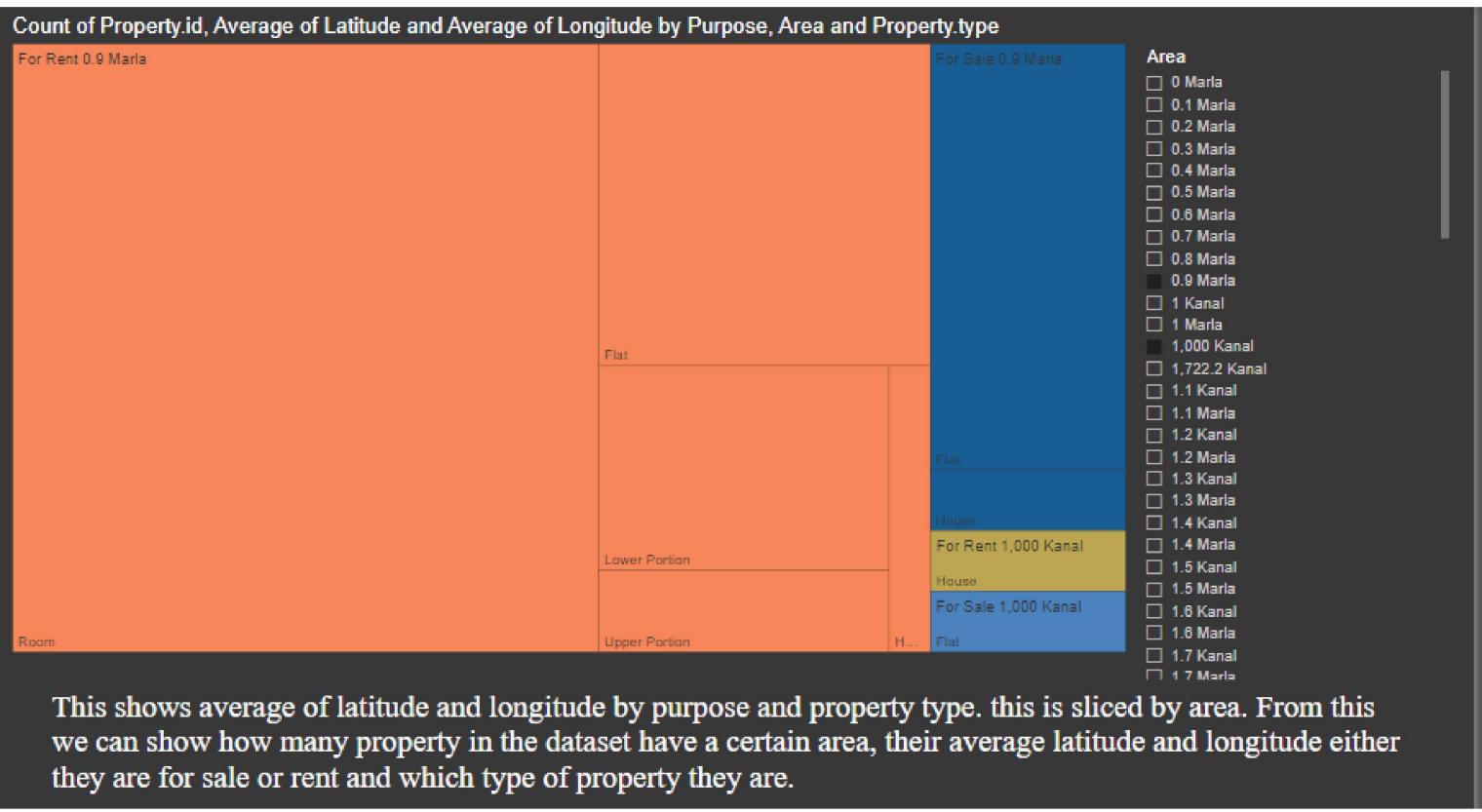
The problem of unknown agency and unknown agent is solved. As the number of agent and property listed are same mean every agent owns one property rights. So agencies are basically a group of user



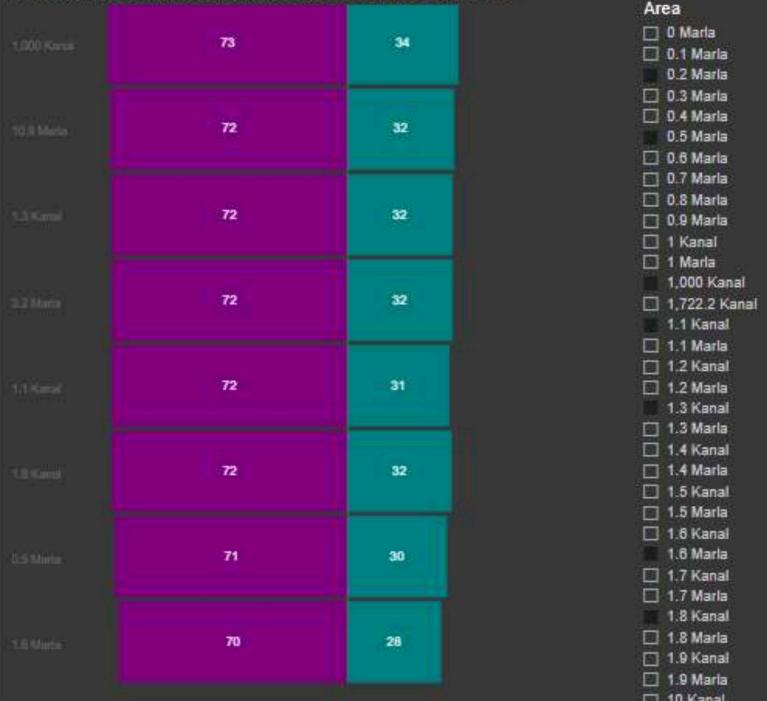


This can lead to two things, either there is sub-agency earning from the business by outsourcing it or they are just user together to gain information. In both cases they can be approached with new resources and offers.





Average of Longitude and Average of Latitude by Area



- Area**
- 0 Marla
  - 0.1 Marla
  - 0.2 Marla
  - 0.3 Marla
  - 0.4 Marla
  - 0.5 Marla
  - 0.6 Marla
  - 0.7 Marla
  - 0.8 Marla
  - 0.9 Marla
  - 1 Kanal
  - 1 Marla
  - 1,000 Kanal
  - 1,722.2 Kanal
  - 1.1 Kanal
  - 1.1 Marla
  - 1.2 Kanal
  - 1.2 Marla
  - 1.3 Kanal
  - 1.3 Marla
  - 1.4 Kanal
  - 1.4 Marla
  - 1.5 Kanal
  - 1.5 Marla
  - 1.6 Kanal
  - 1.6 Marla
  - 1.7 Kanal
  - 1.7 Marla
  - 1.8 Kanal
  - 1.8 Marla
  - 1.9 Kanal
  - 1.9 Marla
  - 10 Kanal
  - 1n Marla

The tornado chart shows relation between longitude and latitude. The more latitude and longitude more will be the area from the selected slicer.

For 1000 kanal we have latitude approx 74 and longitude approx 34. And this decrease as we go down showing the theory in certain cases.

