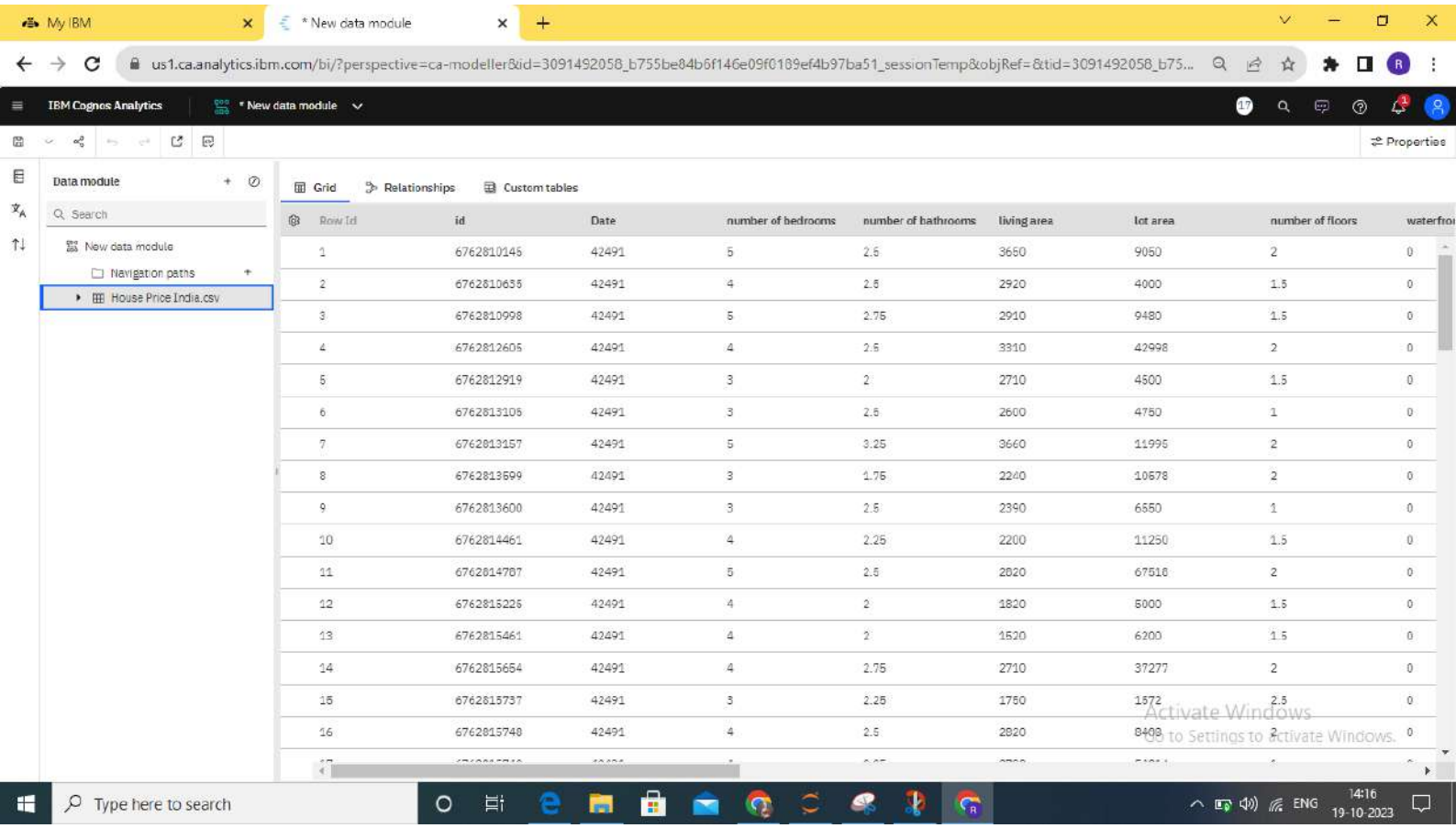
My IBM
* New data module
us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=3091492058_b755be84b6f146e09f0189ef4b97ba51_sessionTemp&objRef=&tid=3091492058_b75...
IBM Cognos Analytics
* New data module
Properties
Data module
Search
New data module
Navigation paths
House Price India.csv
Grid
Relationships
Custom tables
Row Id
id
Date
number of bedrooms
number of bathrooms
living area
lot area
number of floors
waterfro
1 6762810145 42491 5 2.5 3650 9050 2 0
2 6762810635 42491 4 2.5 2920 4000 1.5 0
3 6762810998 42491 5 2.75 2910 9480 1.5 0
4 6762812605 42491 4 2.5 3310 42998 2 0
5 6762812919 42491 3 2 2710 4500 1.5 0
6 6762813105 42491 3 2.5 2600 4750 1 0
7 6762813157 42491 5 3.25 3660 11996 2 0
8 6762813699 42491 3 1.75 2240 10678 2 0
9 6762813600 42491 3 2.5 2390 6550 1 0
10 6762814461 42491 4 2.25 2200 11250 1.5 0
11 6762814787 42491 5 2.5 2820 67518 2 0
12 6762815226 42491 4 2 1820 6000 1.5 0
13 6762815461 42491 4 2 1520 6200 1.5 0
14 6762815654 42491 4 2.75 2710 37277 2 0
15 6762815737 42491 3 2.25 1750 1572 2.5 0
16 6762815748 42491 4 2.5 2820 8400 2 0
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
14:16
19-10-2023

My IBM | * New exploration

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IBM Cognos Analytics | * New exploration

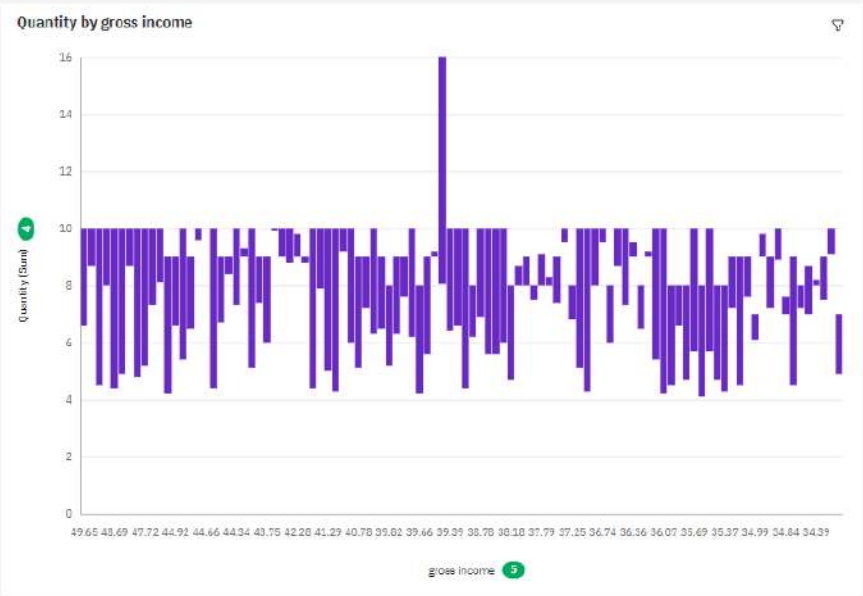
Create | 12/12 | Column | Related | Compare | Analytics | Details | Fields | Properties

Rating and gr... column chart
New exploration, 10/6/2023, 12:19 AM

Product line ...ome tree map
New exploration, 10/5/2023, 11:46 PM

gross income ...uantity table
New exploration, 10/5/2023, 11:41 PM

Quantity by g... column chart
New exploration, 10/5/2023, 11:40 PM



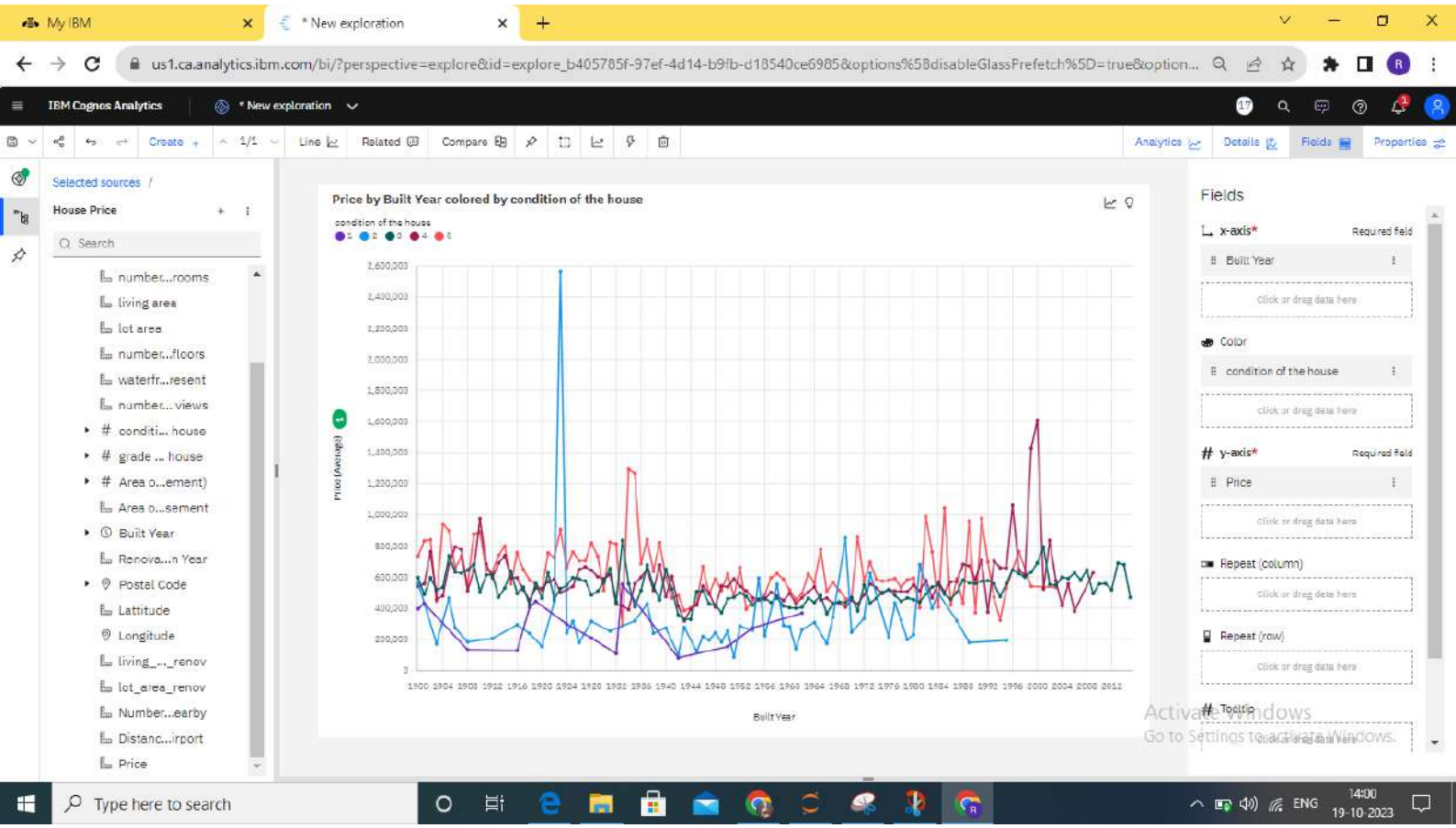
Details

The total number of results for **Rating**, across all **gross incomes**, is 101.

Over all **gross incomes**, the sum of **Quantity** is 927.

Quantity ranges from 7, when **gross income** is 34.986, to 16, when **gross income** is 39.48.

Type here to search | ENG | 12:04 | 14-10-2023


My IBM
* New exploration
us1.ca.analytics.ibm.com/bi/?perspective=explore&id=explore_b405785f-97ef-4d14-b9fb-d18540ce6985&options%5BdisableGlassPrefetch%5D=true&option...
IBM Cognos Analytics
* New exploration
Create
Line
Related
Compare
Analytics
Details
Fields
Properties
Selected sources
House Price
Search
number...rooms
living area
lot area
number...floors
waterfr...resent
number... views
conditi... house
grade ... house
Area o...ement)
Area o...sement
Built Year
Renova...n Year
Postal Code
Lattitude
Longitude
living_..._renov
lot_area_renov
Number...earby
Distanc...irport
Price
Price by Built Year colored by condition of the house
condition of the house
1 2 3 4 5
Price (Average)
2,600,000
2,400,000
2,200,000
2,000,000
1,800,000
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
1900 1904 1908 1912 1916 1920 1924 1928 1932 1936 1940 1944 1948 1952 1956 1960 1964 1968 1972 1976 1980 1984 1988 1992 1996 2000 2004 2008 2012
Built Year
Fields
x-axis*
Required field
Built Year
Click or drag data here
Color
condition of the house
Click or drag data here
y-axis*
Required field
Price
Click or drag data here
Repeat (column)
Click or drag data here
Repeat (row)
Click or drag data here
Tooltip
Click or drag data here
Activate Windows
Go to Settings to activate Windows.
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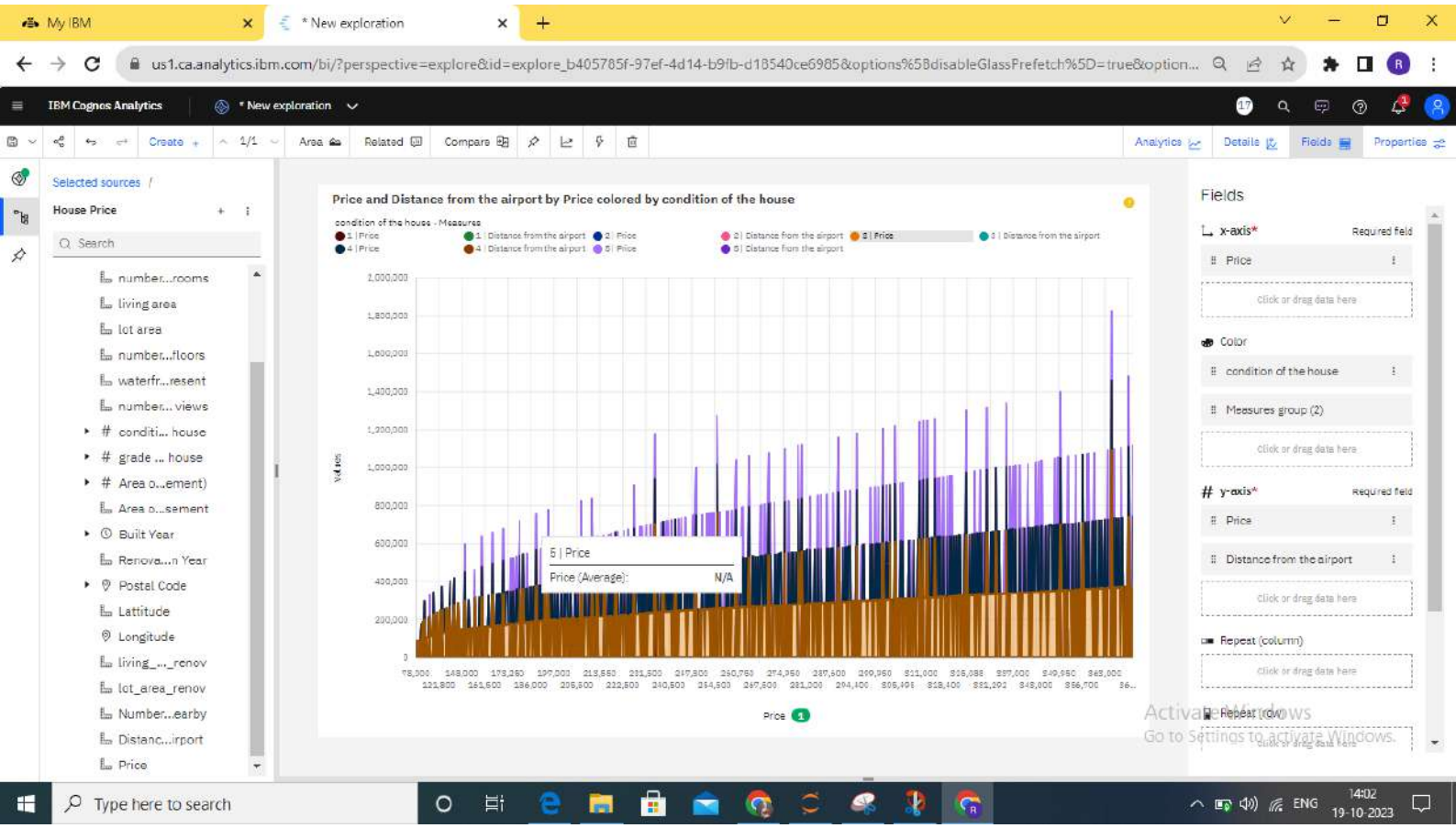
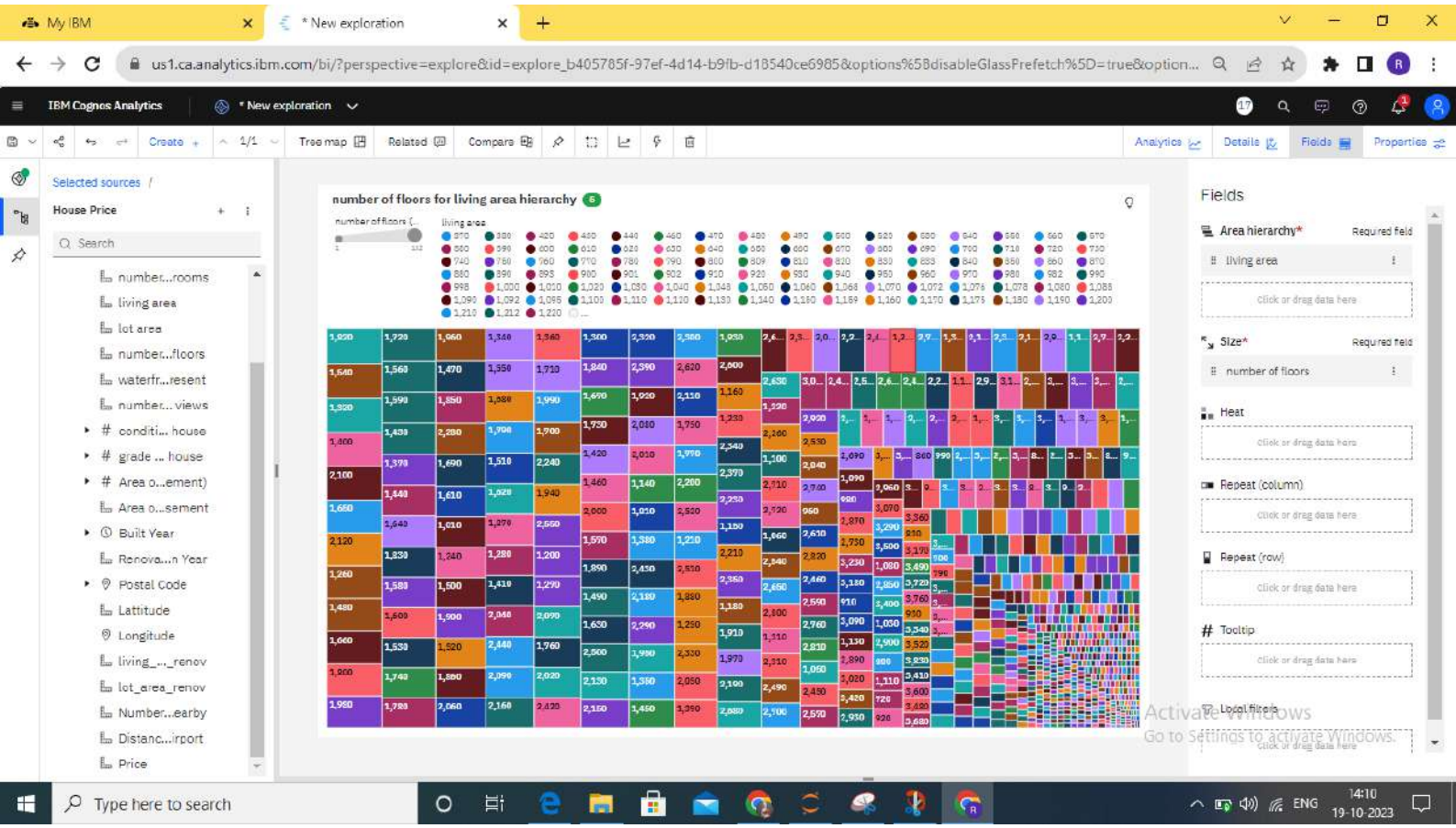
ENG
14:00
19-10-2023


My IBM
* New exploration
us1.ca.analytics.ibm.com/bi/?perspective=explore&id=explore_b405785f-97ef-4d14-b9fb-d18540ce6985&options%5BdisableGlassPrefetch%5D=true&option...
IBM Cognos Analytics
* New exploration
Create
Area
Related
Compare
Analytics
Details
Fields
Properties
Selected sources
House Price
Search
number...rooms
living area
lot area
number...floors
waterfr...resent
number... views
conditi... house
grade ... house
Area o...ement)
Area o...sement
Built Year
Renova...n Year
Postal Code
Lattitude
Longitude
living_..._renov
lot_area_renov
Number...earby
Distanc...irport
Price
Price and Distance from the airport by Price colored by condition of the house
condition of the house - Measures
1 | Price
1 | Distance from the airport
2 | Price
3 | Distance from the airport
3 | Price
3 | Distance from the airport
4 | Price
4 | Distance from the airport
5 | Price
5 | Distance from the airport
Values
5 | Price
Price (Average): N/A
Price
Fields
x-axis*
Required field
Price
Click or drag data here
Color
condition of the house
Measures group (2)
Click or drag data here
y-axis*
Required field
Price
Distance from the airport
Click or drag data here
Repeat (column)
Click or drag data here
Repeat (row)
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
14:02
19-10-2023


My IBM
* New exploration
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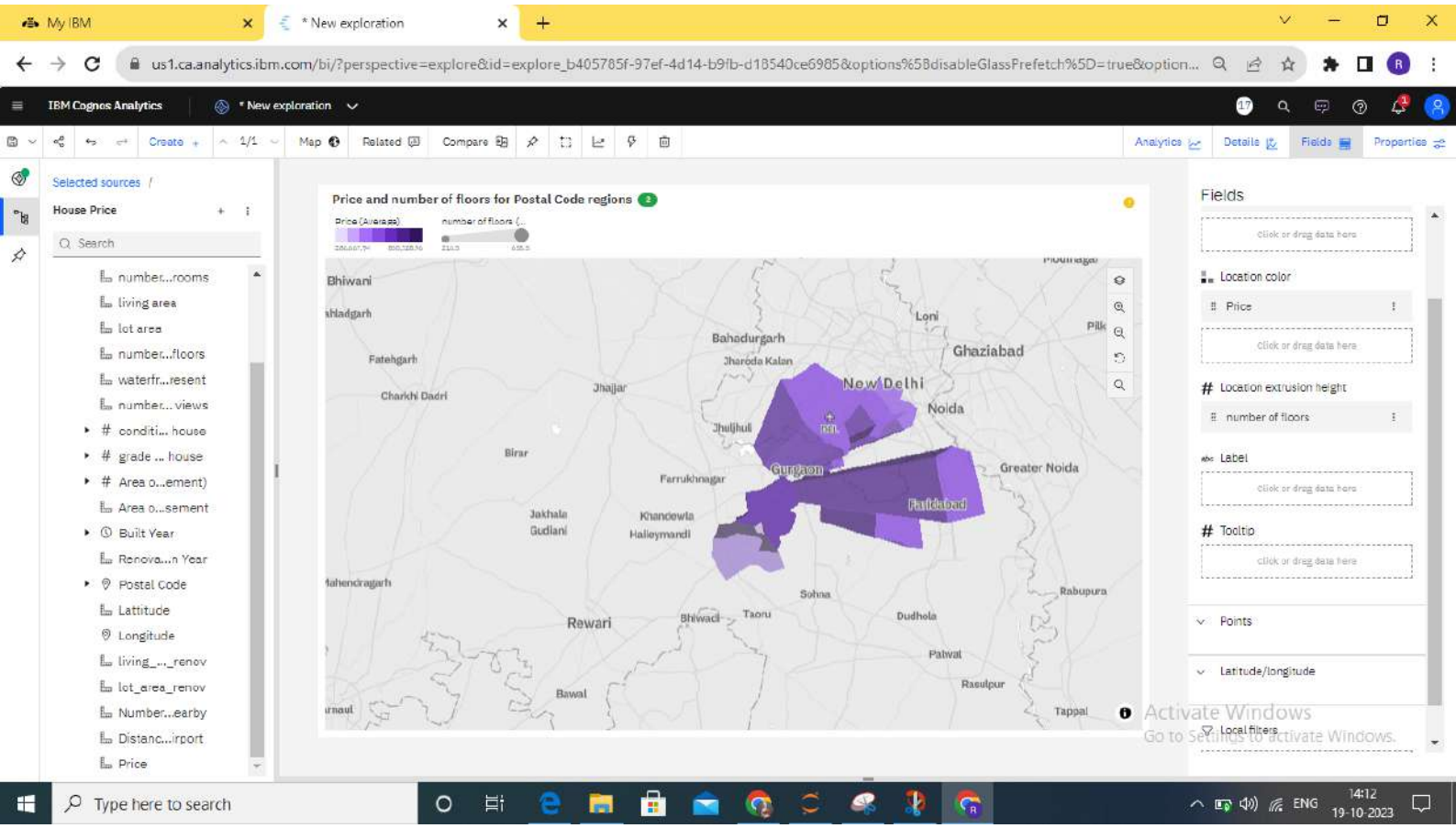
IBM Cognos Analytics
* New exploration
Create
Tree map
Related
Compare
Analytics
Details
Fields
Properties
Selected sources
House Price
Search
number...rooms
living area
lot area
number...floors
waterfr...resent
number... views
conditi... house
grade ... house
Area o...ement)
Area o...sement
Built Year
Renova...n Year
Postal Code
Lattitude
Longitude
living_..._renov
lot_area_renov
Number...earby
Distanc...irport
Price
number of floors for living area hierarchy
Fields
Area hierarchy*
Required field
living area
Click or drag data here
Size*
Required field
number of floors
Heat
Repeat (column)
Repeat (row)
Tooltip
Local filters
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
14:10
19-10-2023


My IBM
* New exploration
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IBM Cognos Analytics
* New exploration
Create
Map
Related
Compare
Analytics
Details
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Selected sources
House Price
Search
number...rooms
living area
lot area
number...floors
waterfr...resent
number... views
conditi... house
grade ... house
Area o...ement)
Area o...sement
Built Year
Renova...n Year
Postal Code
Lattitude
Longitude
living_..._renov
lot_area_renov
Number...earby
Distanc...irport
Price
Price and number of floors for Postal Code regions
Price (Average)
number of floors (...
Bhiwani
Loni
Bahadurgarh
Jharoda Kalan
Ghaziabad
Fatehgarh
Charkhi Dadri
Jhajjar
New Delhi
Noida
Jhuljhuli
Birar
Gurgaon
Greater Noida
Ferrukhnagar
Faridabad
Jakhala
Gudiani
Khandewla
Haleymandi
Sohna
Rabupura
Rewari
Bhiwadi
Taoru
Dudhola
Palwal
Rasulpur
Bawal
Tappal
Fields
Location color
Price
Location extrusion height
number of floors
Label
Tooltip
Points
Latitude/longitude
Local filters
Activate Windows
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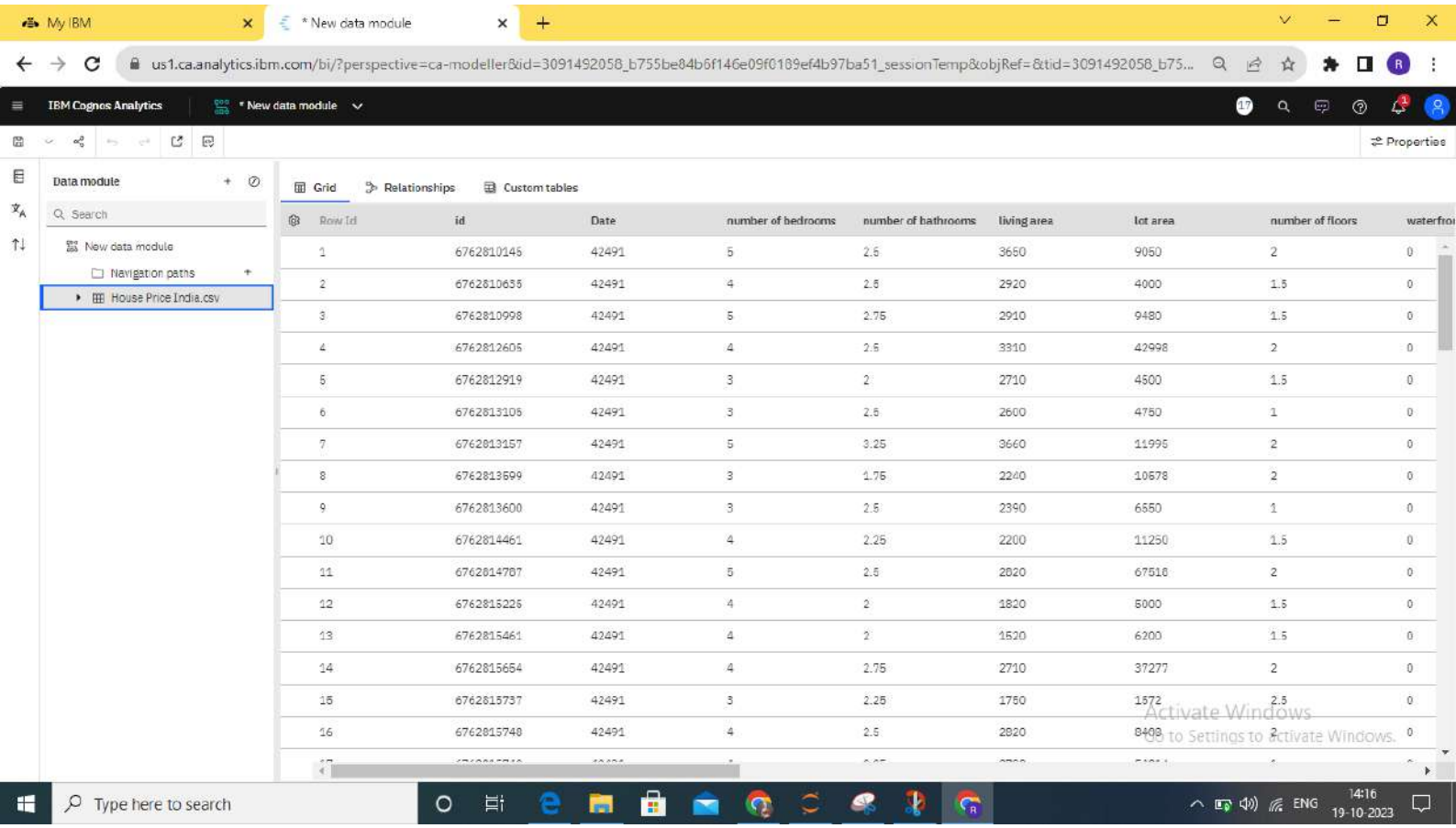
ENG
14:12
19-10-2023


My IBM
* New data module
us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=3091492058_b755be84b6f146e09f0189ef4b97ba51_sessionTemp&objRef=&tid=3091492058_b75...
IBM Cognos Analytics
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House Price India.csv
Grid
Relationships
Custom tables
Row Id
id
Date
number of bedrooms
number of bathrooms
living area
lot area
number of floors
waterfro
1 6762810145 42491 5 2.5 3650 9050 2 0
2 6762810635 42491 4 2.5 2920 4000 1.5 0
3 6762810998 42491 5 2.75 2910 9480 1.5 0
4 6762812605 42491 4 2.5 3310 42998 2 0
5 6762812919 42491 3 2 2710 4500 1.5 0
6 6762813105 42491 3 2.5 2600 4750 1 0
7 6762813157 42491 5 3.25 3660 11996 2 0
8 6762813699 42491 3 1.75 2240 10678 2 0
9 6762813600 42491 3 2.5 2390 6550 1 0
10 6762814461 42491 4 2.25 2200 11250 1.5 0
11 6762814787 42491 5 2.5 2820 67518 2 0
12 6762815226 42491 4 2 1820 6000 1.5 0
13 6762815461 42491 4 2 1520 6200 1.5 0
14 6762815654 42491 4 2.75 2710 37277 2 0
15 6762815737 42491 3 2.25 1750 1572 2.5 0
16 6762815748 42491 4 2.5 2820 8400 2 0
Activate Windows
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Type here to search
ENG
14:16
19-10-2023

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Not Trusted | Python 3 (ipykernel)

Run Code

In [1]:
```
import pandas as pd
import numpy as np
df=pd.read_csv("House Price India.csv")
print(df.head())
```

```
           id   Date  number of bedrooms  number of bathrooms  living area  \
0  6762810145  42491                   5                 2.50         3650
1  6762810635  42491                   4                 2.50         2920
2  6762810998  42491                   5                 2.75         2910
3  6762812605  42491                   4                 2.50         3310
4  6762812919  42491                   3                 2.00         2710

   lot area  number of floors  waterfront present  number of views  \
0      9050               2.0                   0                4
1      4000               1.5                   0                0
2      9480               1.5                   0                0
3     42998               2.0                   0                0
4      4500               1.5                   0                0

   condition of the house  ...  Built Year  Renovation Year  Postal Code  \
0                       5  ...        1921                0       122003
1                       5  ...        1909                0       122004
2                       3  ...        1939                0       122004
3                       3  ...        2001                0       122005
4                       4  ...        1929                0       122006

   Lattitude  Longitude  living_area_renov  lot_area_renov  \
0    52.8645   -114.557               2880            5400
1    52.8878   -114.470               2470            4000
2    52.8852   -114.468               2940            6600
3    52.9532   -114.321               3350           42847
4    52.9047   -114.485               2060            4500

   Number of schools nearby  Distance from the airport    Price
0                         2                         58  2380000
1                         2                         51  1400000
```

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Not Trusted | Python 3 (ipykernel)

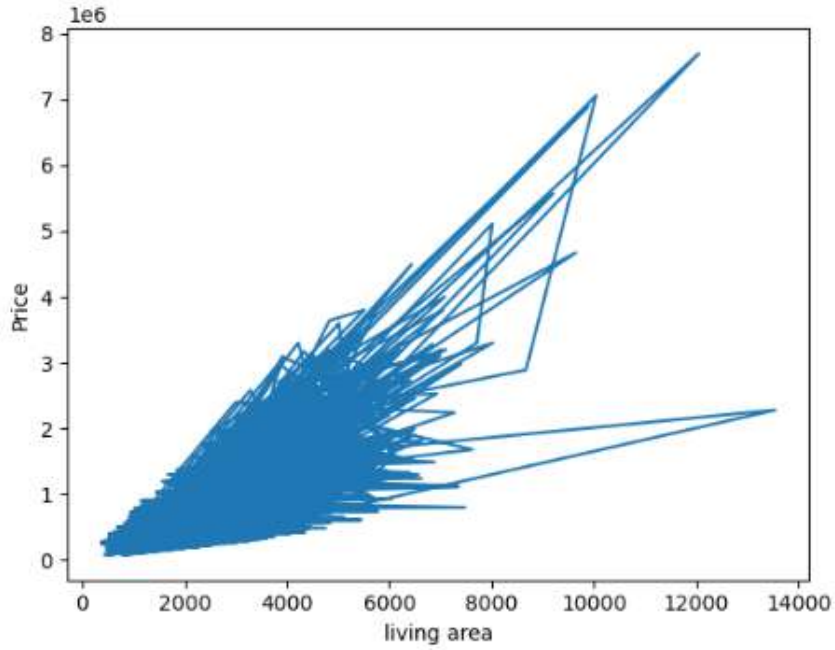
Run Code

```
0    52.8645   -114.557              2880           5400
1    52.8878   -114.470              2470           4000
2    52.8852   -114.468              2940           6600
3    52.9532   -114.321              3350          42847
4    52.9047   -114.485              2060           4500

   Number of schools nearby  Distance from the airport    Price
0                         2                         58  2380000
1                         2                         51  1400000
2                         1                         53  1200000
3                         3                         76   838000
4                         1                         51   805000

[5 rows x 23 columns]
```

In [10]:

```
import matplotlib.pyplot as plt
plt.plot(df['living area'], df['Price'])
plt.xlabel('living area of House')
plt.ylabel('Price')
plt.show()
```

In [10]:
```
import matplotlib.pyplot as plt
plt.plot(df['living area'], df['Price'])
plt.xlabel('living area of House')
plt.ylabel('Price')
plt.show()
```



```
plt.bar(df['Distance from the airport'],df['Price'])
plt.xlabel('Distance from the airport')
plt.ylabel('Price for Home')
plt.show()
```