

Source of the data: the data was scraped from OLX platform

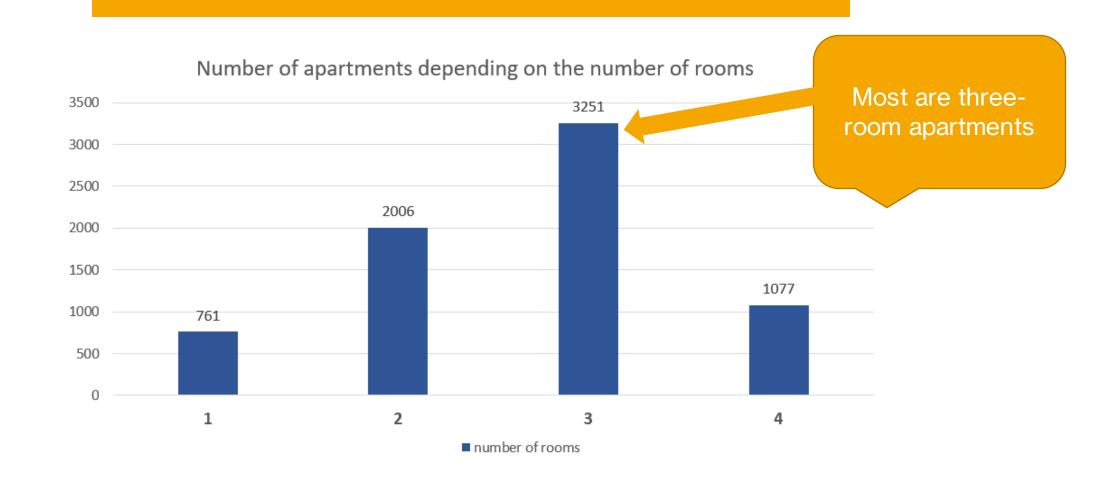
https://www.olx.pl/d/nieruchomosci/mieszkania/sprzedaz/mazowieckie/ Masovian Voivodeship/Poland



Flats - number of rooms

| Numer of rooms | Amount of listed apartaments |
|----------------|------------------------------|
| 1 | 761 |
| 2 | 2006 |
| 3 | 3251 |
| 4 | 1077 |

Chart of the number of apartments depending on the number of rooms

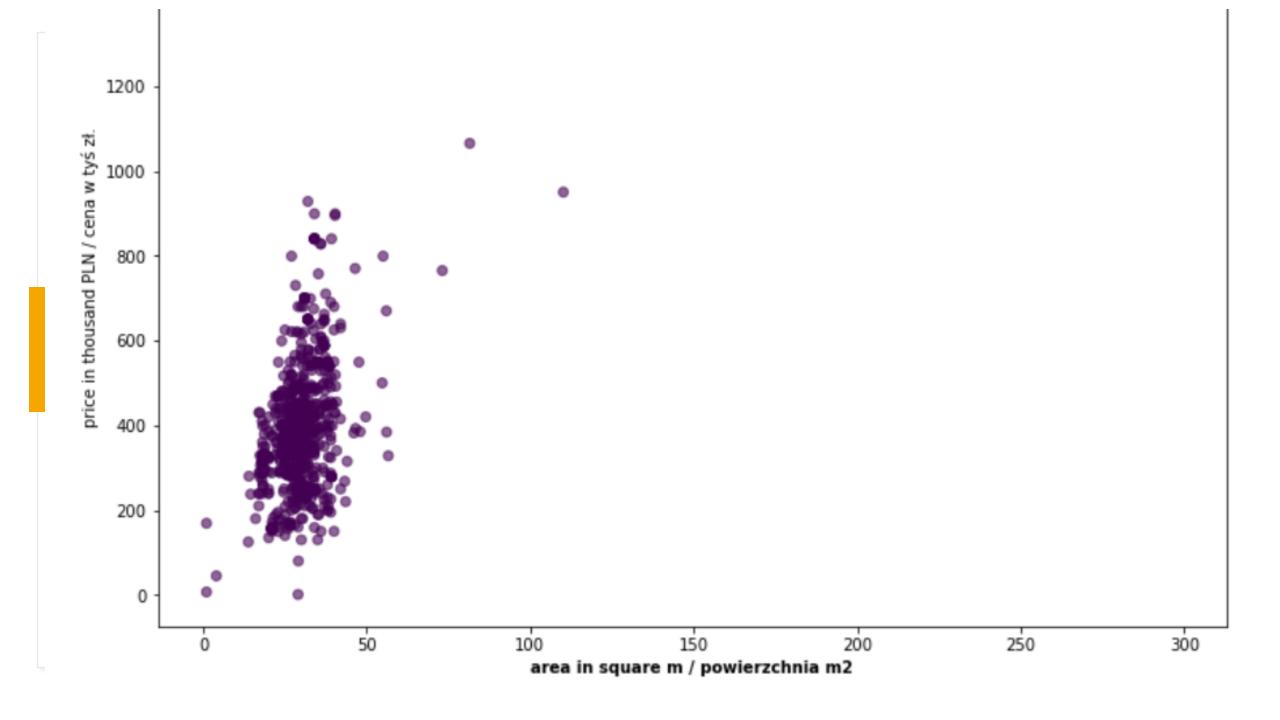


One room apartaments

price for square meter

One room describe

| | price | area | rooms | cena m2 |
|-------|--------------|------------|-------|---------------|
| count | 7.610000e+02 | 761.000000 | 761.0 | 761.000000 |
| mean | 3.946002e+05 | 30.209750 | 1.0 | 13568.245090 |
| std | 1.597953e+05 | 12.355277 | 0.0 | 7283.571892 |
| min | 1.100000e+03 | 1.000000 | 1.0 | 37.931034 |
| 25% | 2.900000e+05 | 26.000000 | 1.0 | 10150.507525 |
| 50% | 3.800000e+05 | 29.370000 | 1.0 | 13559.782609 |
| 75% | 4.600000e+05 | 34.000000 | 1.0 | 16000.000000 |
| max | 1.500000e+06 | 298.280000 | 1.0 | 169000.000000 |

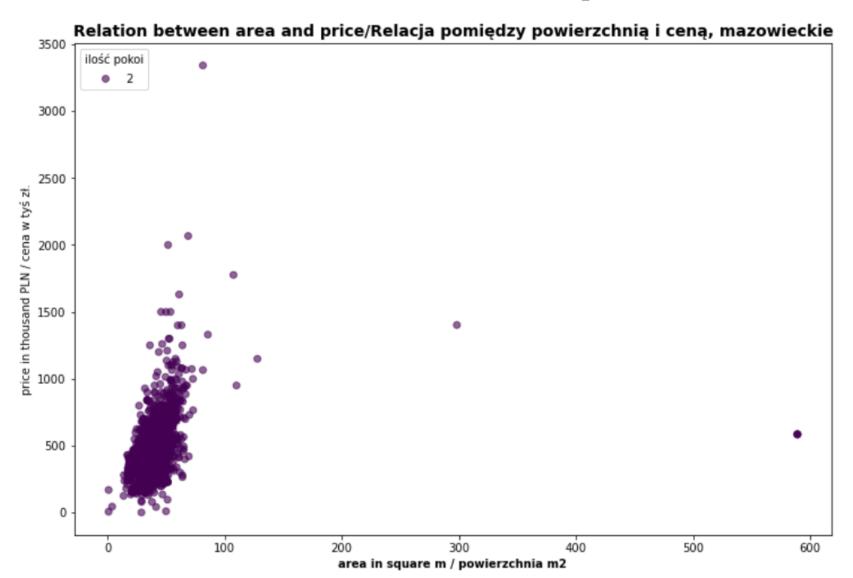


price for square meter

Two rooms describe

| | price | area | rooms | cena m2 |
|-------|--------------|-------------|--------|---------------|
| count | 2.006000e+03 | 2006.000000 | 2006.0 | 2006.000000 |
| mean | 4.729767e+05 | 40.274761 | 2.0 | 12351.033633 |
| std | 2.156285e+05 | 27.503650 | 0.0 | 5648.787867 |
| min | 1.100000e+03 | 1.000000 | 2.0 | 37.931034 |
| 25% | 3.350000e+05 | 31.000000 | 2.0 | 9099.930767 |
| 50% | 4.400000e+05 | 38.000000 | 2.0 | 12145.748988 |
| 75% | 5.676000e+05 | 47.000000 | 2.0 | 14994.065489 |
| max | 3.341500e+06 | 589.000000 | 2.0 | 169000.000000 |

Relation between area and price (2 rooms)



price for square meter

cona m2

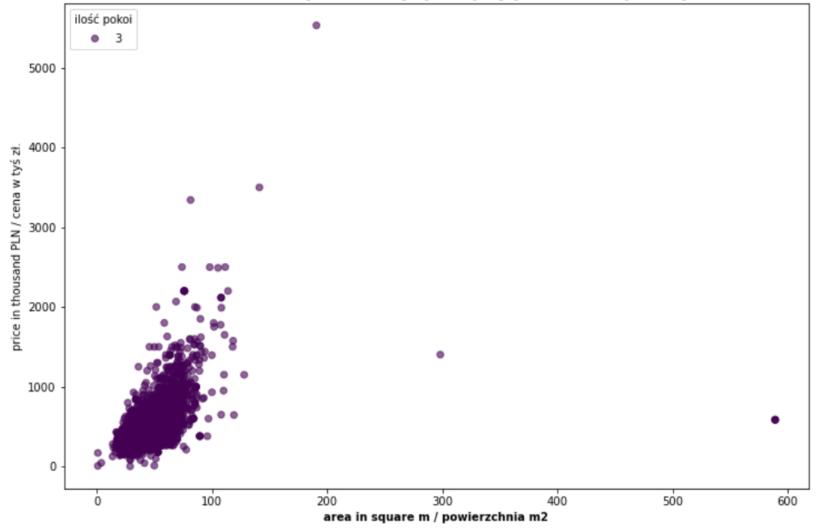
Three rooms describe

| | price | area | rooms | cena m2 |
|-------|--------------|-------------|--------|---------------|
| count | 3.251000e+03 | 3251.000000 | 3251.0 | 3251.000000 |
| mean | 5.511251e+05 | 48.258262 | 3.0 | 11785.397176 |
| std | 3.000891e+05 | 25.110420 | 0.0 | 5149.827868 |
| min | 1.100000e+03 | 1.000000 | 3.0 | 37.931034 |
| 25% | 3.700000e+05 | 36.250000 | 3.0 | 8542.857143 |
| 50% | 4.980000e+05 | 47.000000 | 3.0 | 11463.414634 |
| 75% | 6.492900e+05 | 57.000000 | 3.0 | 14335.544863 |
| max | 5.531170e+06 | 589.000000 | 3.0 | 169000.000000 |

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Relation between area and price (3 rooms)







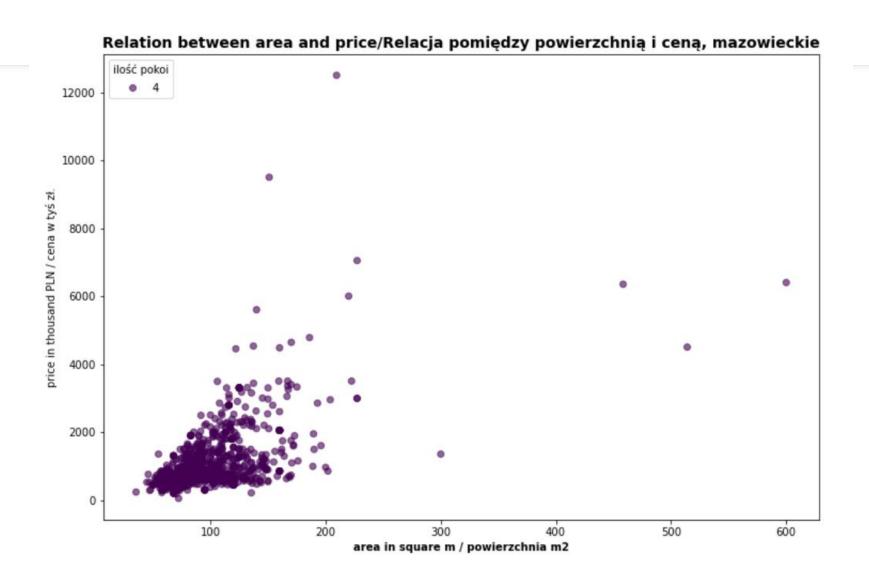
cona m2

Four+ rooms describe

| | price | area | rooms | cena mz |
|-------|--------------|-------------|--------|--------------|
| count | 1.077000e+03 | 1077.000000 | 1077.0 | 1.077000e+03 |
| mean | 1.130695e+06 | 97.741346 | 4.0 | 6.420934e+04 |
| std | 1.036190e+06 | 38.706364 | 0.0 | 7.140145e+05 |
| min | 4.640000e+04 | 1.000000 | 4.0 | 6.417704e+02 |
| 25% | 6.199000e+05 | 74.000000 | 4.0 | 6.842593e+03 |
| 50% | 8.400000e+05 | 88.970000 | 4.0 | 9.516129e+03 |
| 75% | 1.280000e+06 | 116.000000 | 4.0 | 1.291667e+04 |
| max | 9.599000e+06 | 600.000000 | 4.0 | 9.599000e+06 |

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Relation between area and price (4 rooms)

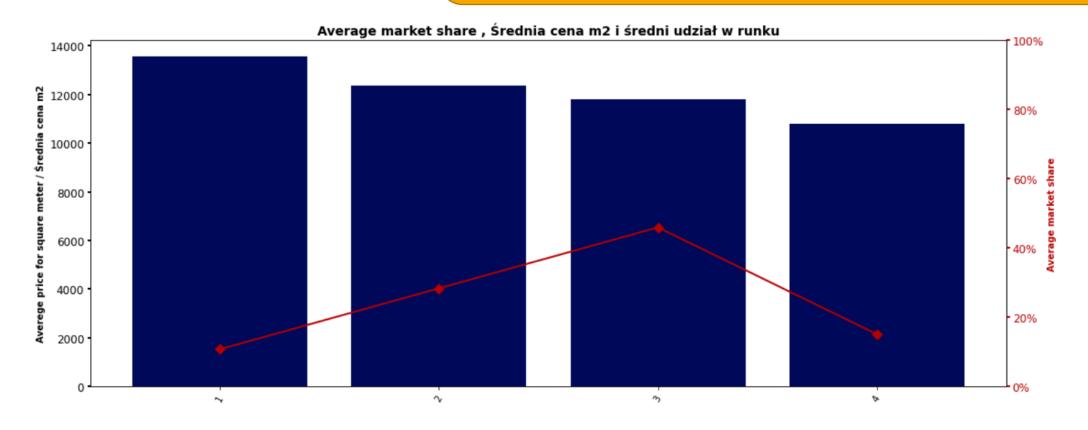


There is quite strong correlation between (price and area) and (area and rooms_4)

| | price | area | square meter price | rooms_1 | rooms_2 | room. 3 | rooms_4 |
|--------------------|-----------|-----------|--------------------|-----------|-----------|-----------|-----------|
| price | 1.000000 | 0.647514 | 0.496057 | -0.220767 | -0.170655 | 0.000032 | 0,406044 |
| area | 0.647514 | 1.000000 | -0.262338 | -0.373441 | -0.261799 | 0.048664 | 0.585269 |
| square meter price | 0.496057 | -0.262338 | 1.000000 | 0.118643 | 0.064499 | -0.027755 | -0.145288 |
| rooms_1 | -0.220767 | -0.373441 | 0.118643 | 1.000000 | -0.218008 | -0.319432 | -0.146067 |
| rooms_2 | -0.170655 | -0.261799 | 0.064499 | -0.218008 | 1.000000 | -0.578707 | -0.264626 |
| rooms_3 | 0.000032 | 0.048664 | -0.027755 | -0.319432 | -0.578707 | 1.000000 | -0.387738 |
| rooms_4 | 0.406044 | 0.585269 | -0.145288 | -0.146067 | -0.264626 | -0.387738 | 1.000000 |

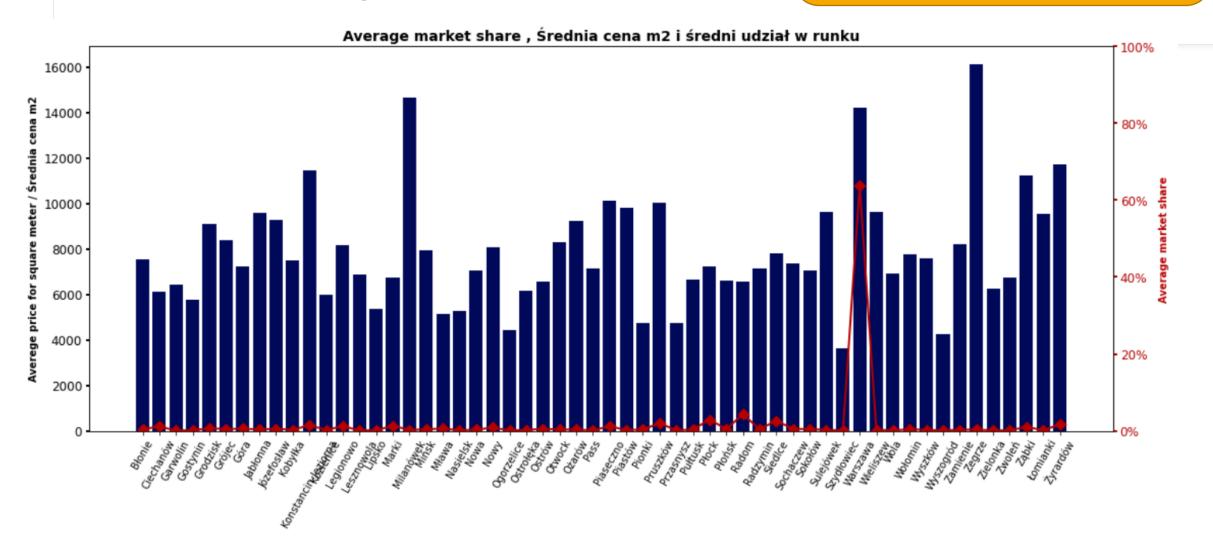
Average price for square meter and average market share

We can observe that prices increase in 3-room apartments and decrease in 4-room apartments. 3-room apartments have the highest average market share.



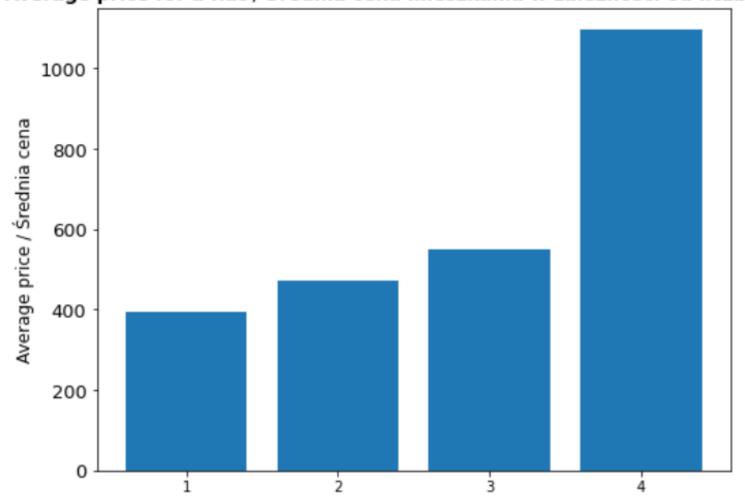
Average price for the city and average market share

We can observe that Warsow has the highest average market share.



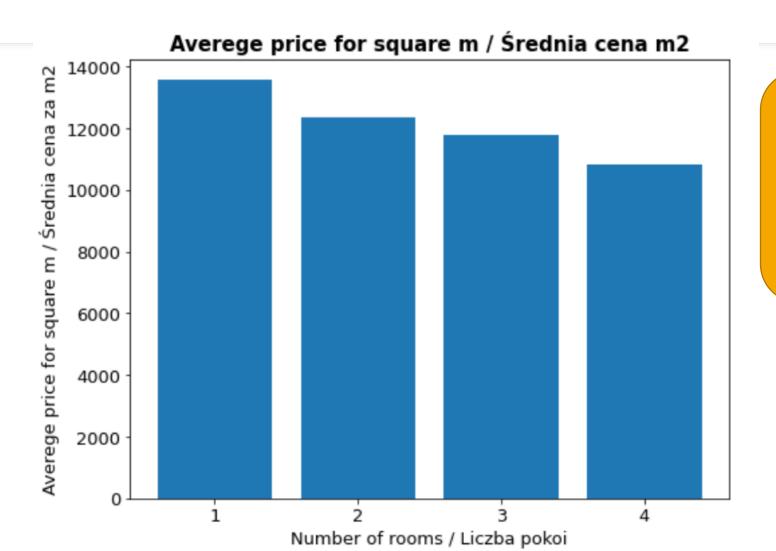
Average price per apartment depending on the number of rooms

Average price for a flat / Średnia cena mieszkania w zależności od liczby pokoi



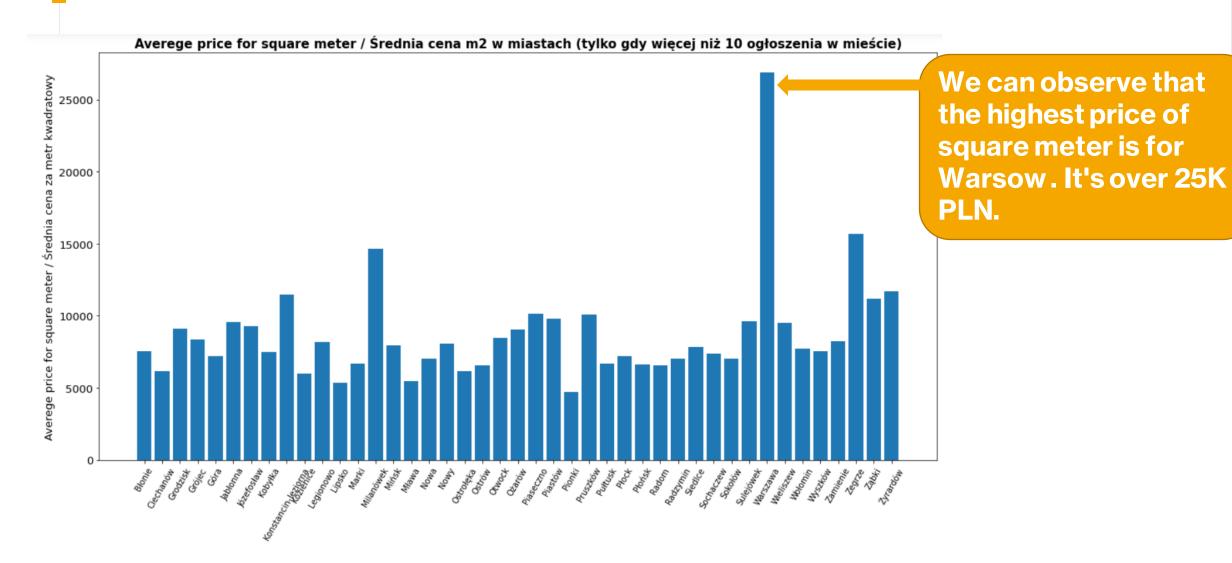
We can observe that the highest average price have 4-room apartments (or more).

Average price of square meter depending on number of rooms

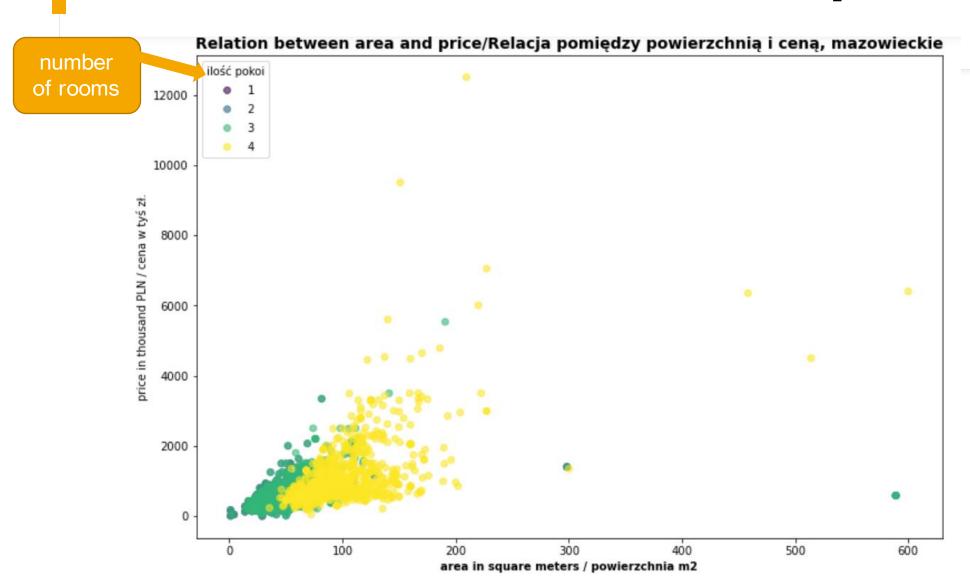


We can observe that the highest prices per square meter have 1-room apartments. The lowest is for 4 rooms (or more)

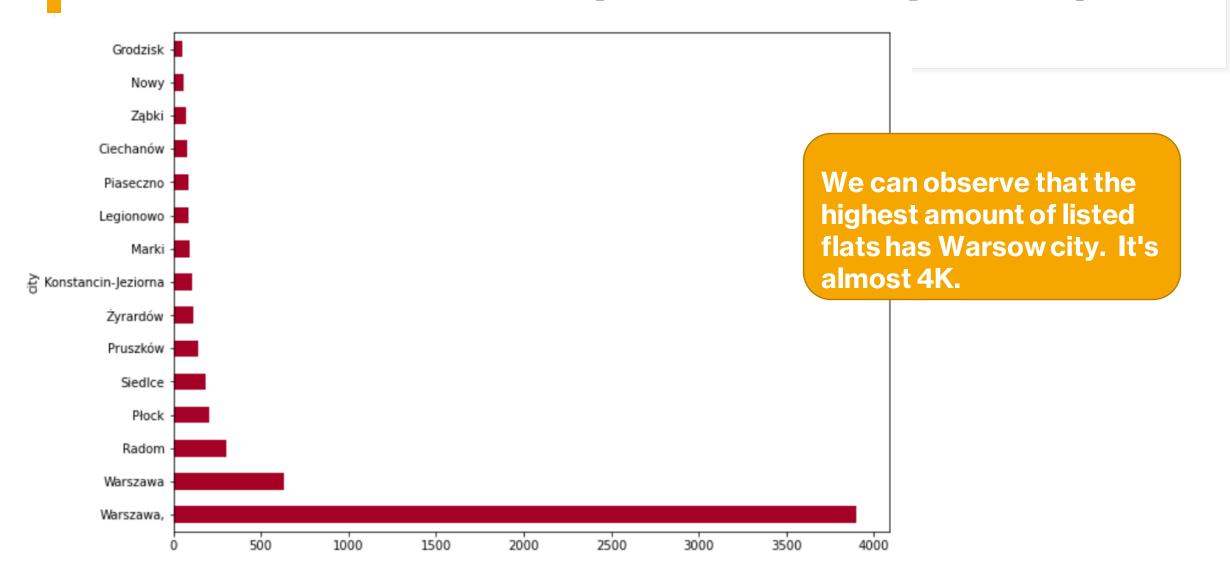
Average price of square meter per city



Relation between area and price

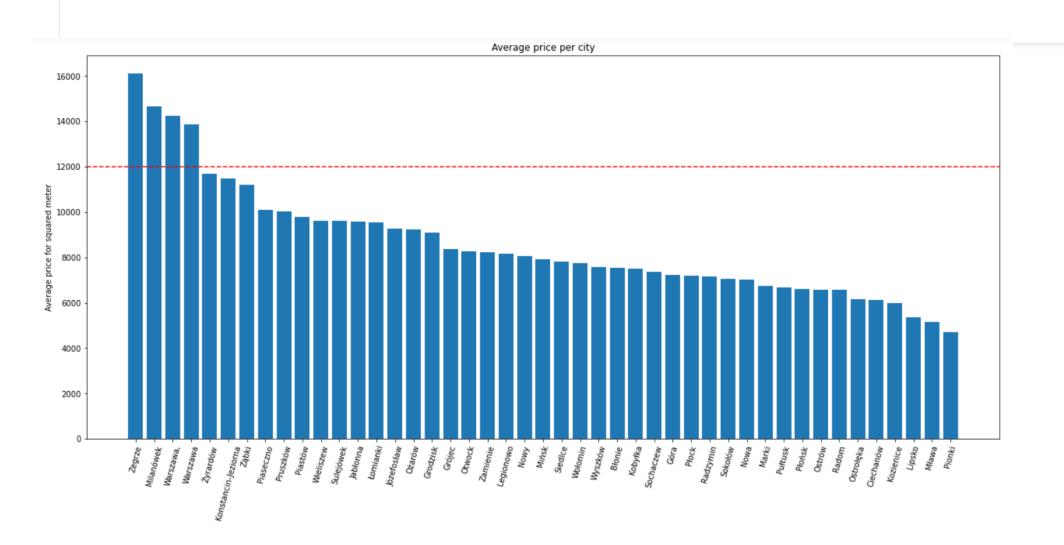


Amount of listed apartaments per city





Average price for the city



The Word Cloud

