

CASE STUDY BRAZIL HOUSING ANALYSIS

NAME – SAKSHI

BATCH - DA22S2

Analysis for Bachelors :

For bachelors , we will consider the following criteria :

2 or less than 2 rooms

1 bathroom

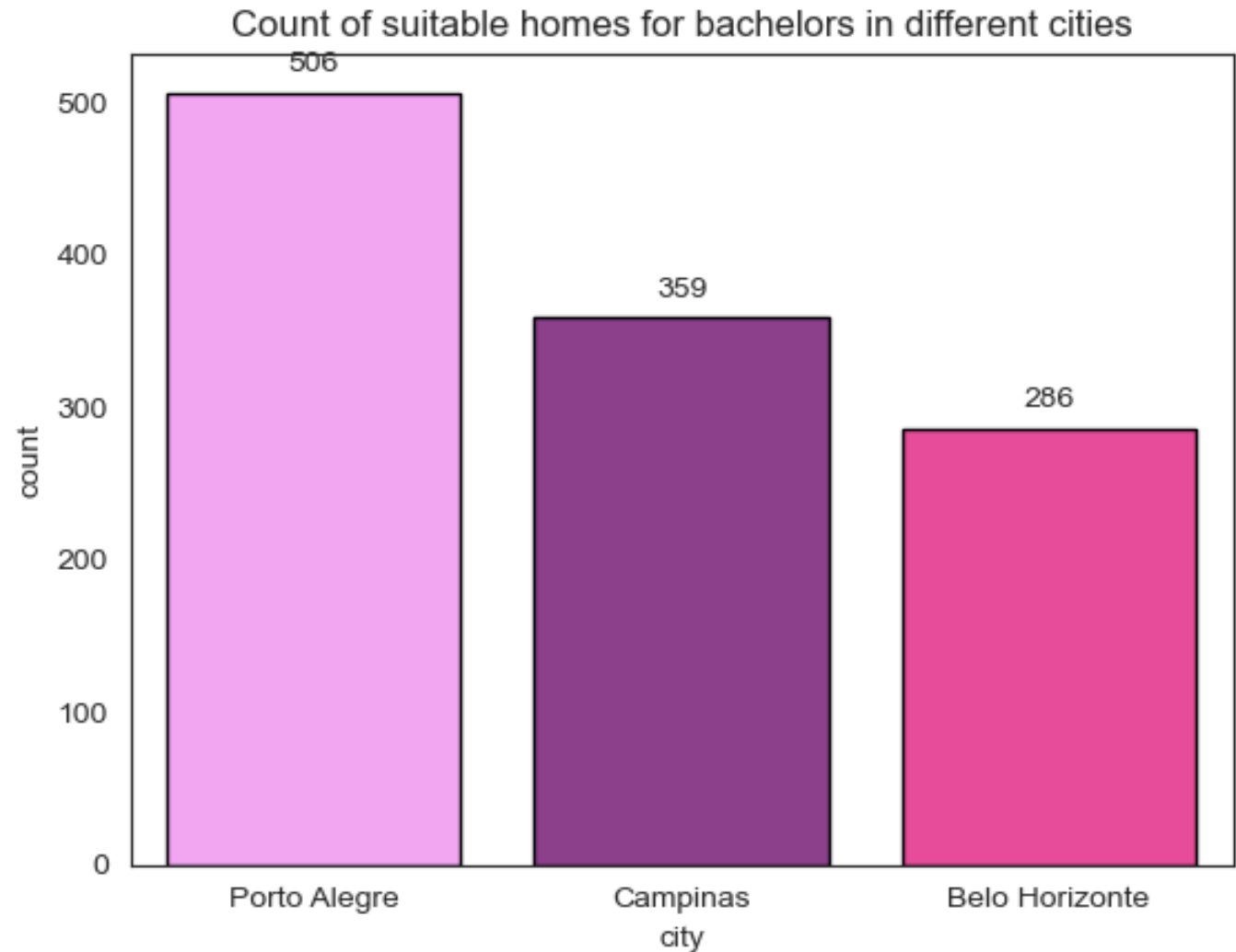
rent should be less than 2000

both furnished and non-furnished

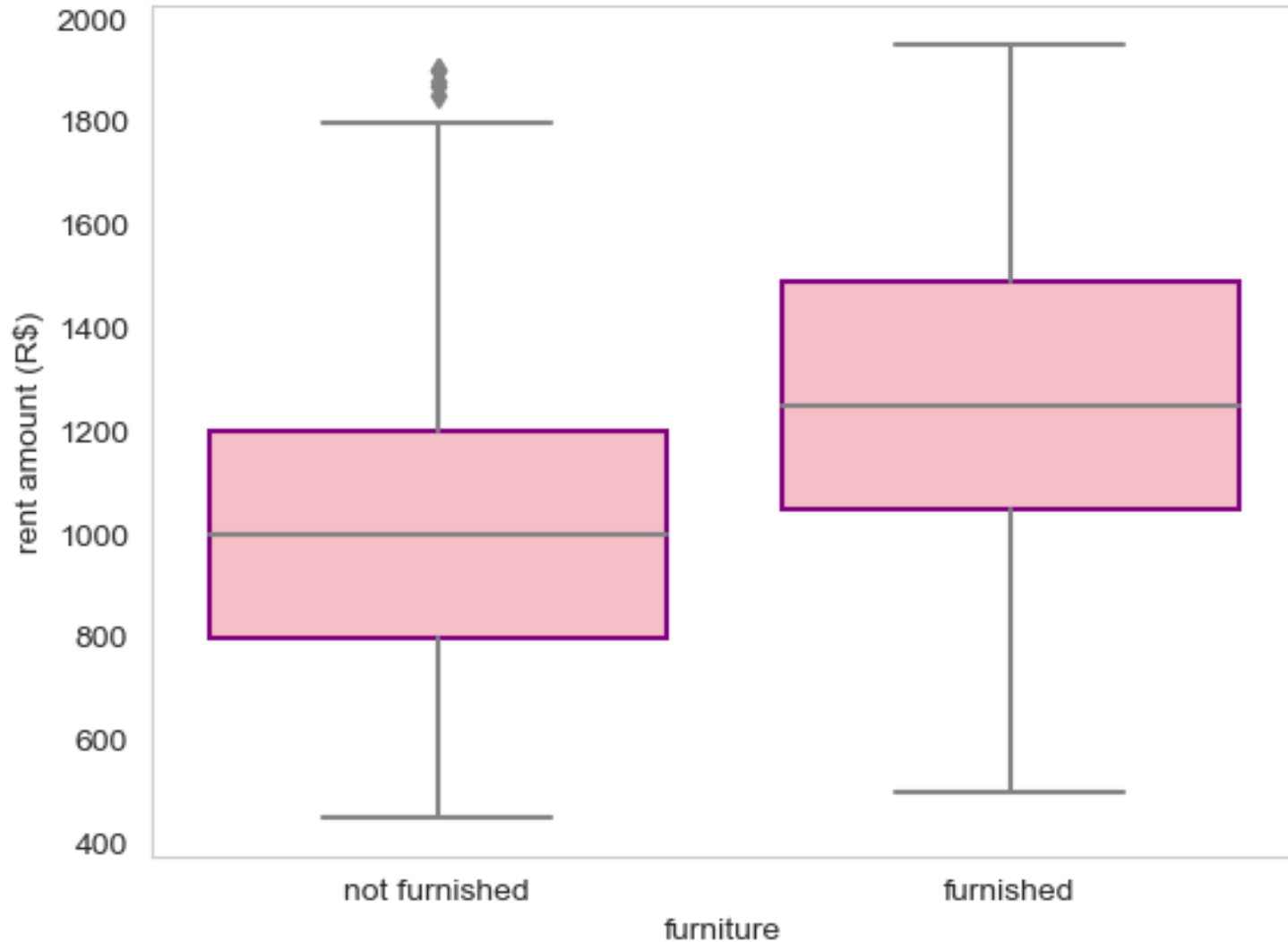
Interpretations :

* The count of homes as per the bachelors criteria is highest in the city 'Porto Alegre'.

* The city 'Belo Horizonte' has the lowest count of suitable homes for bachelors.



Comparison of rent amount for furnished and non-furnished

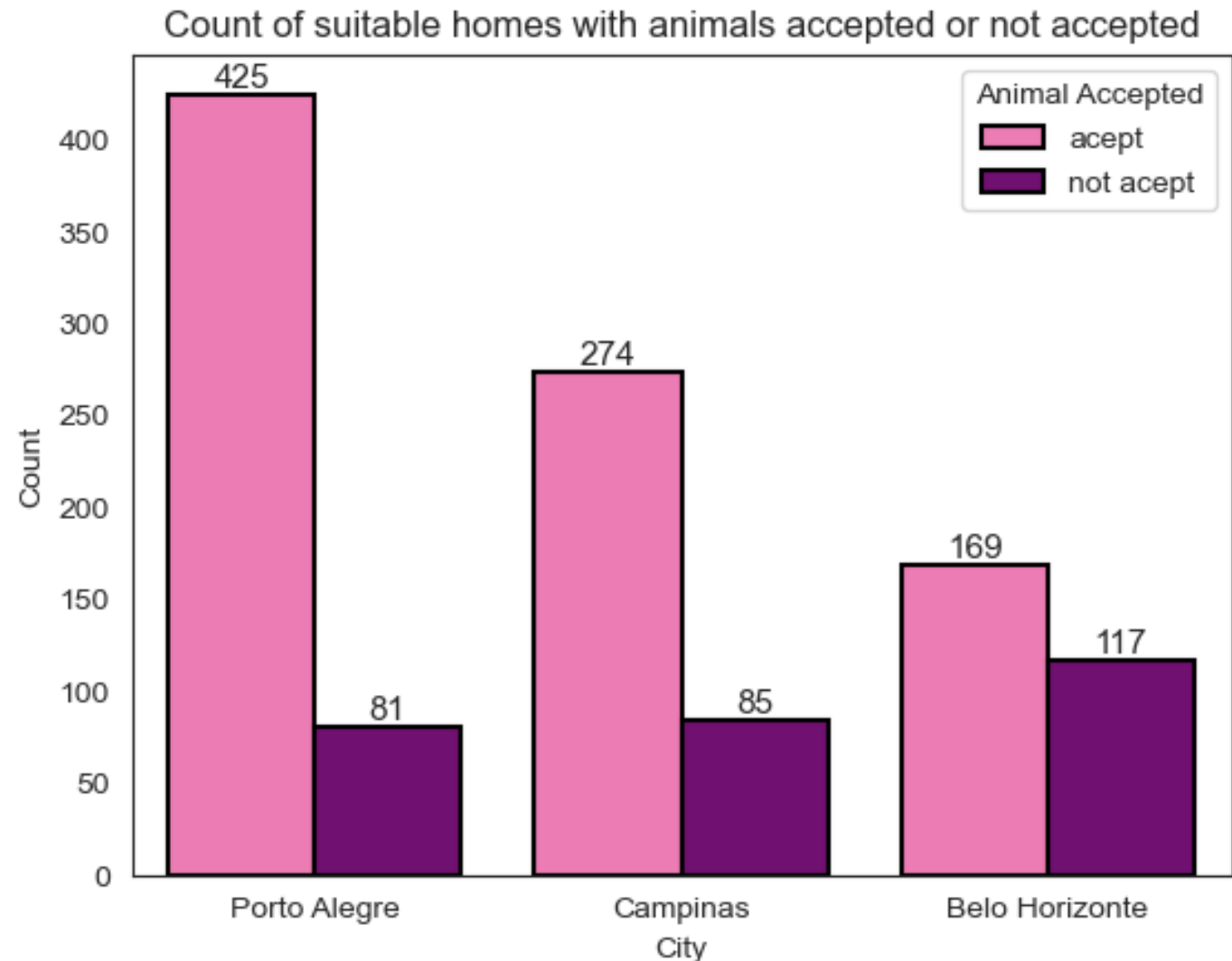


Interpretations:

- ▶ Non-furnished homes have a lower median rent compared to furnished homes.
- ▶ The rent of furnished homes is higher than non-furnished homes.

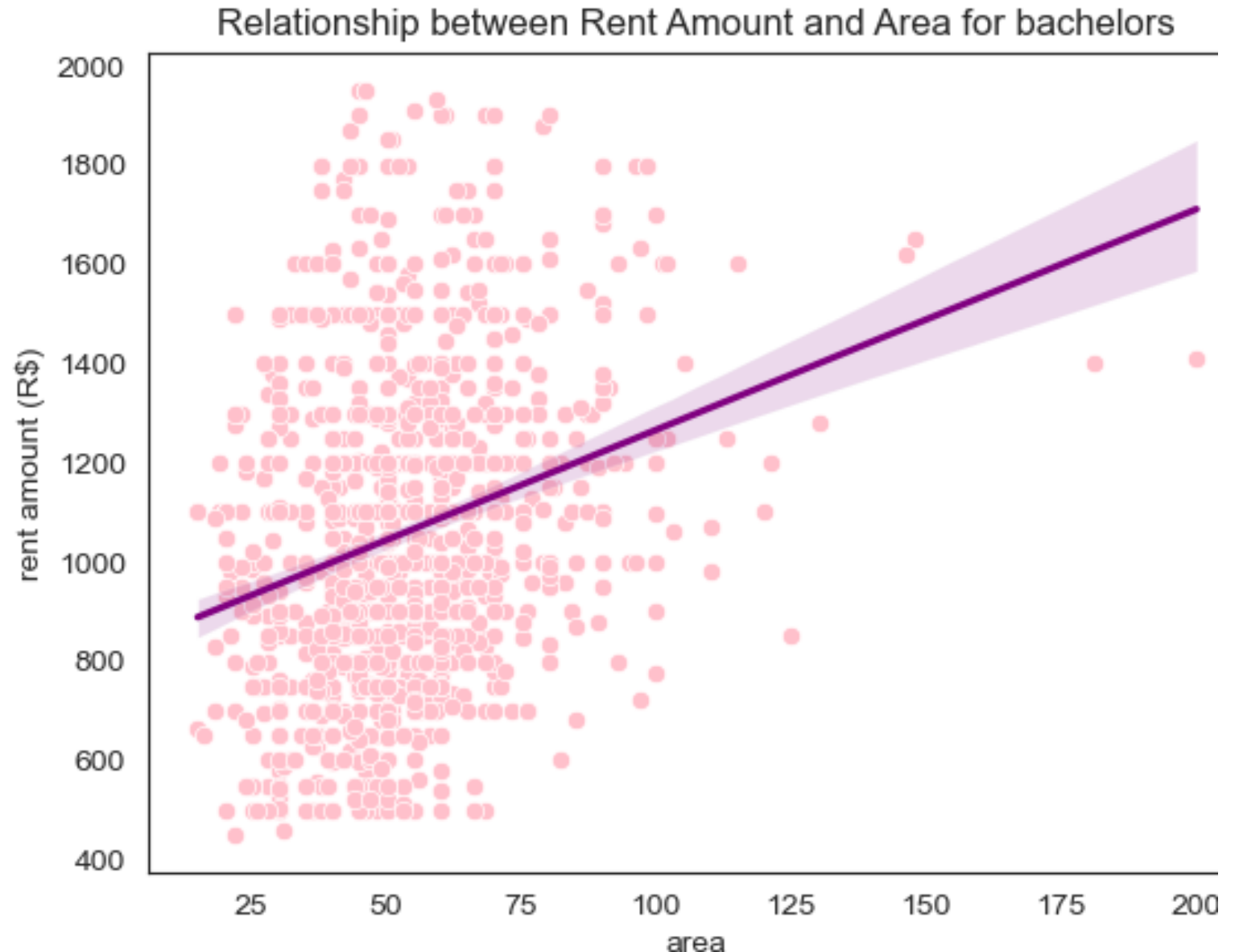
Interpretations:

- ▶ This plot can be useful for bachelors who are looking for homes with animals accepted.
- ▶ There are more pets allowed homes available than pets not-allowed homes in all three cities.
- ▶ However, in 'Porto Alegre' the number of suitable homes with pets allowed is almost five times more than the number of pets not-allowed homes.



INTERPRETATIONS:

- ▶ we can see that there is a positive linear relationship between area and rent amount.
- ▶ In other words, as the area of the apartments increases, the rent amount tends to increase as well.



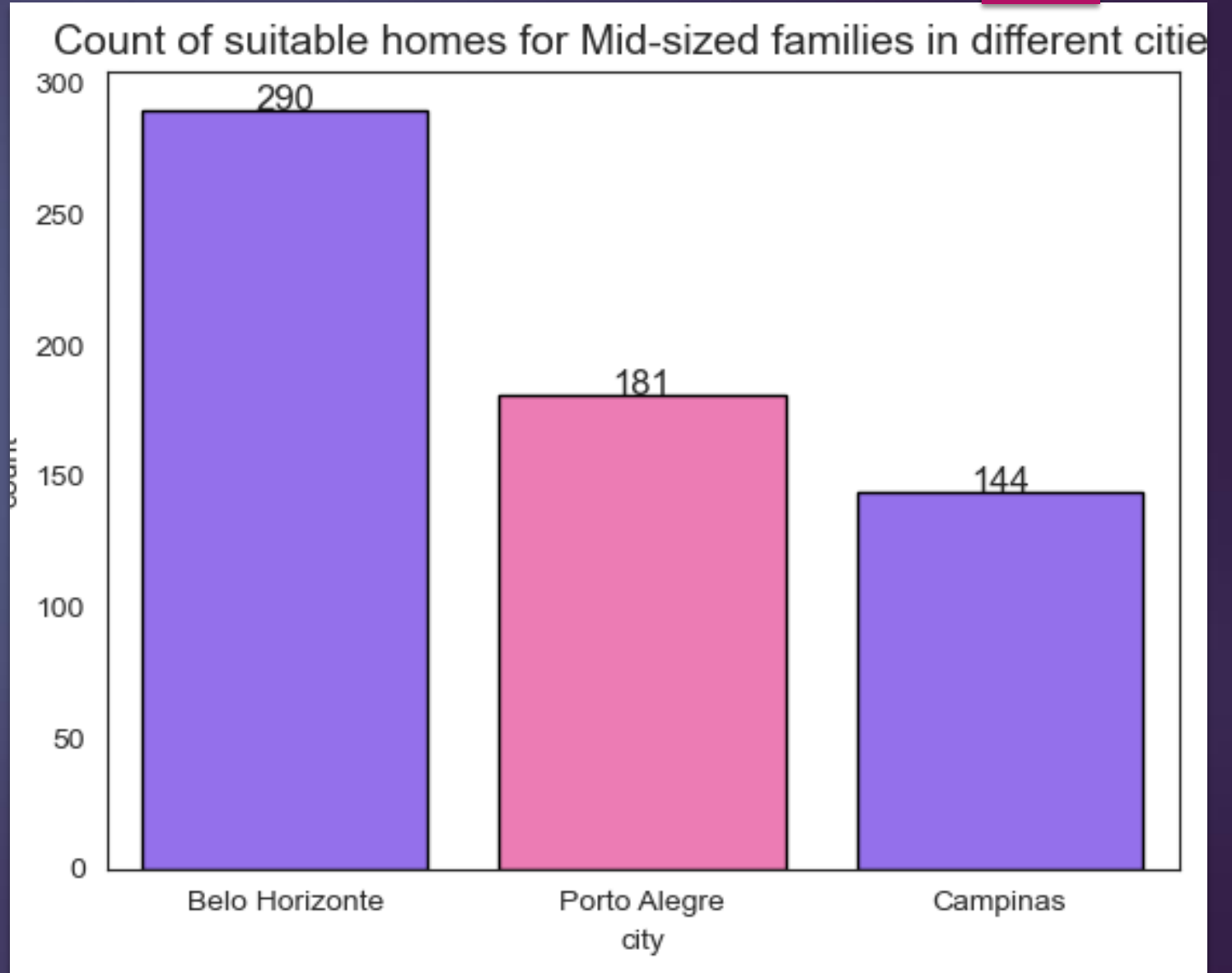
Analysis for Mid-sized families:

For Mid-sized Families, we'll consider the following criteria:

- ▶ more than 2 rooms
- ▶ more than 2 bathrooms
- ▶ more than 1 parking spaces
- ▶ rent should be less than 5000
- ▶ furnished or not furnished both
- ▶ animal accepted or not accepted both
- ▶ floor more than 2

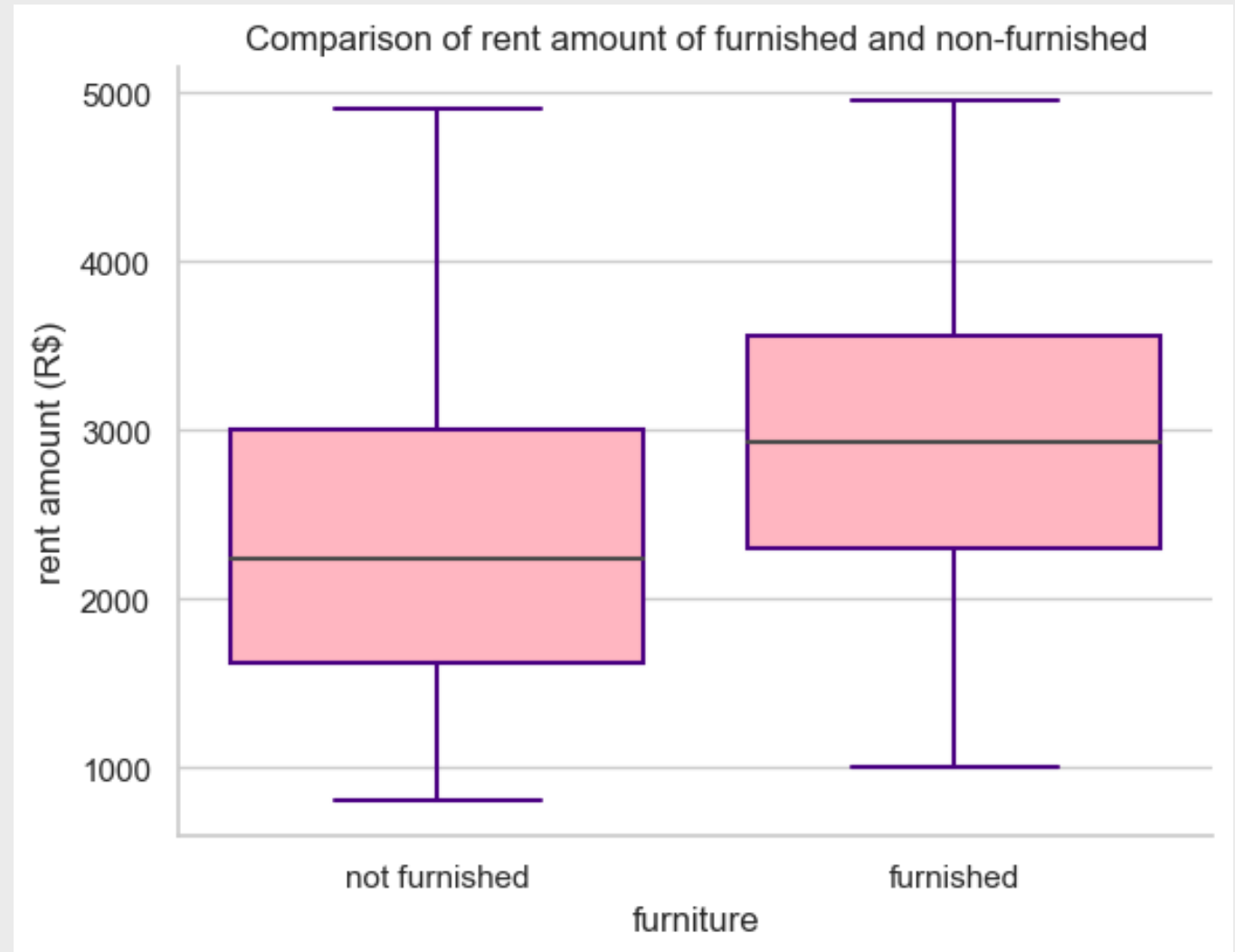
Interpretations:

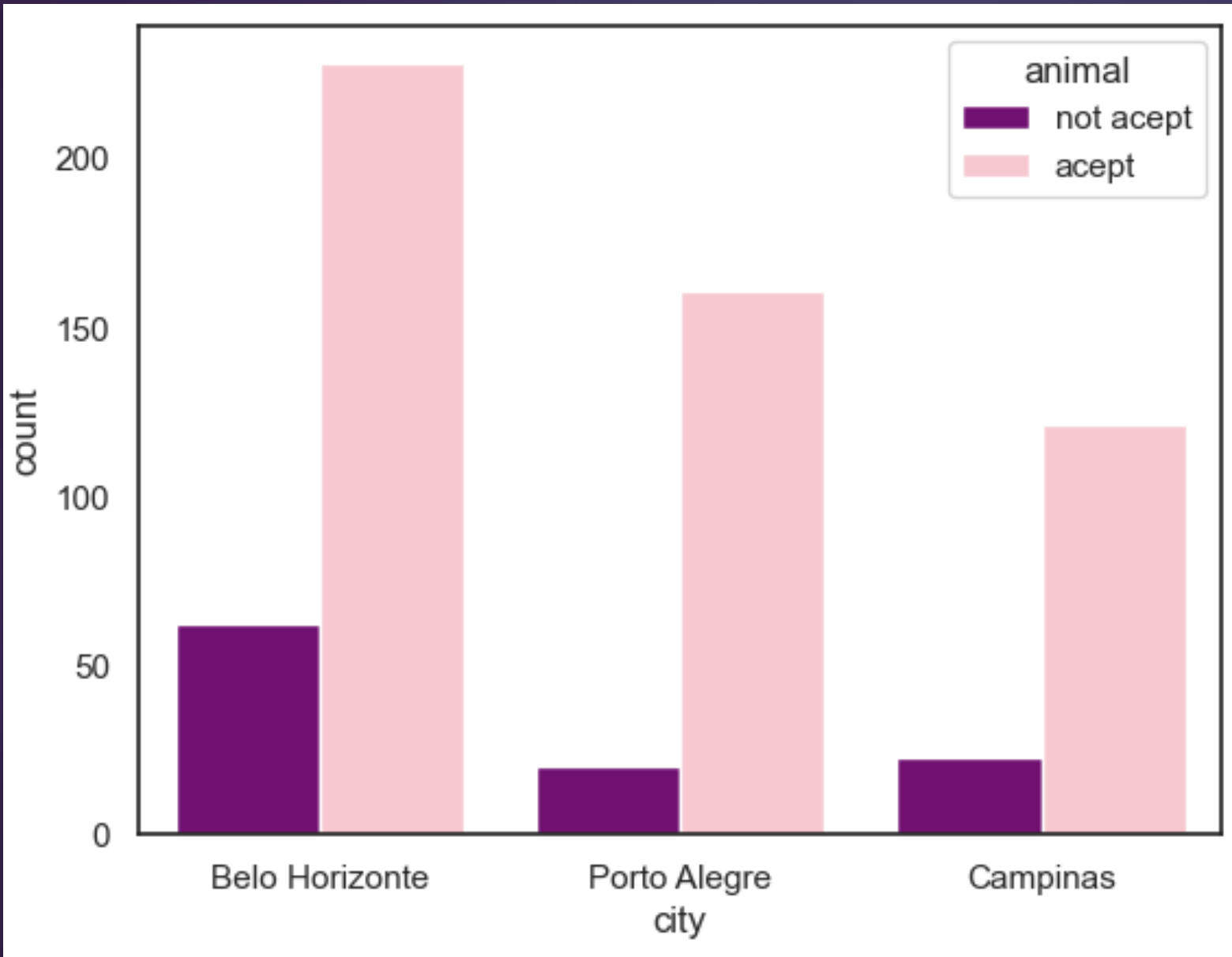
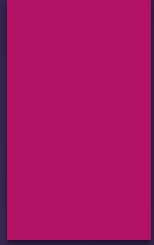
- ▶ 'Belo Horizonte' has the highest number of suitable homes for mid-sized families.
- ▶ followed by Porto Alegre and Campinas based on the given criteria.



Interpretations :


The Box plot shows that furnished houses have relatively higher house rent than non-furnished ones.





Interpretation:

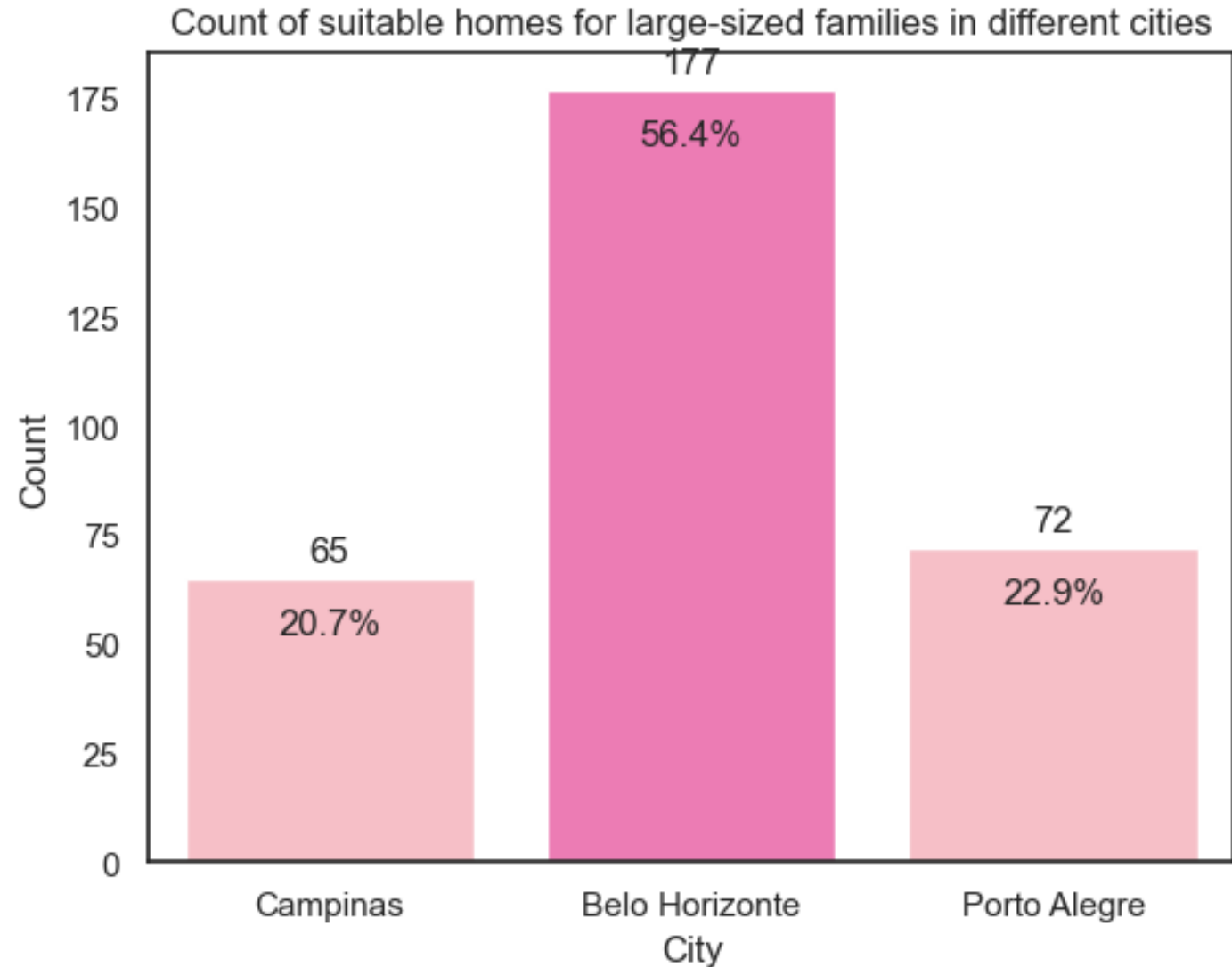
- ▶ In 'Belo Horizonte' the number of suitable homes with animals accepted is much more than the number of suitable homes with animals not accepted.

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- ▶ For Large-sized Families, we'll consider the following criteria:
 - ▶ more than 2 rooms
 - ▶ more than 2 bathrooms
 - ▶ more than 2 parking spaces
 - ▶ rent should be less than 9000
 - ▶ furnished or not furnished both
 - ▶ animal accepted or not accepted both
 - ▶ floor more than 2

Analysis for Large-sized Families :

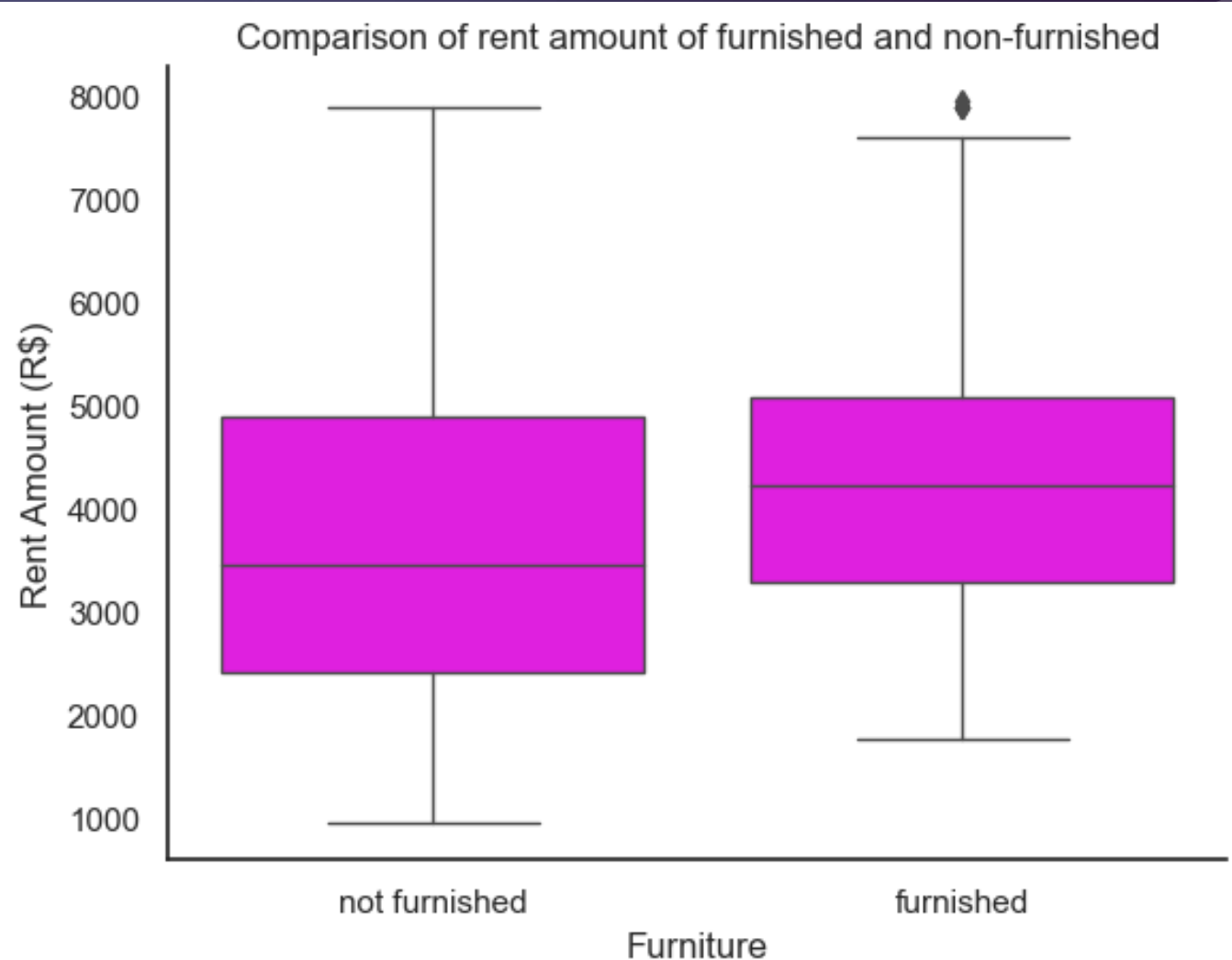
Interpretation :

- 'Belo Horizonte' has the highest number of suitable homes for large sized families followed by Porto Alegre and Campinas based on the given criteria.

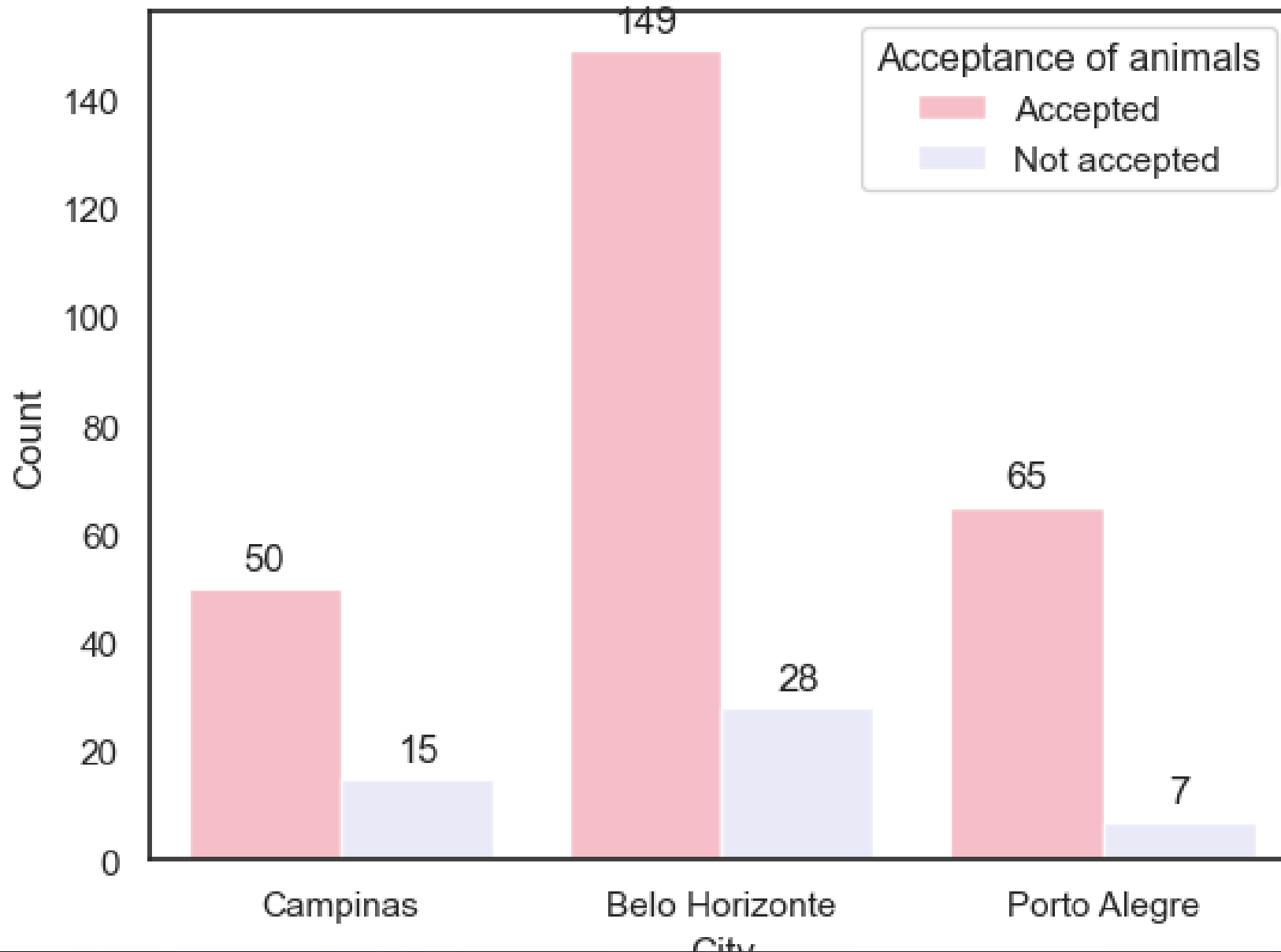


Interpretation :

- furnished houses have relatively higher house rent than non-furnished ones.



Count of suitable homes with animals accepted or not accepted in different cities

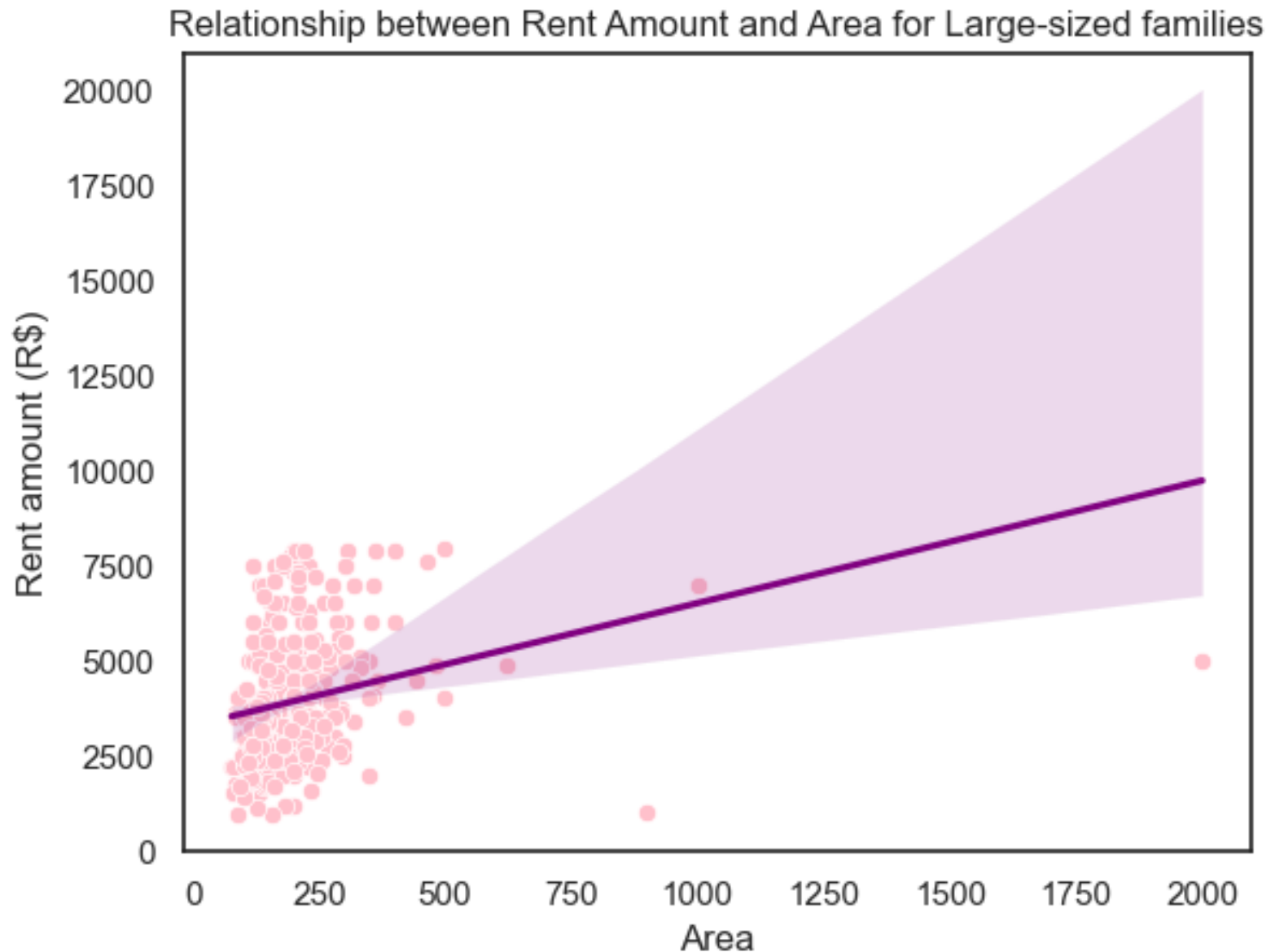


INTERPRETATION :

- In 'Belo Horizonte' the number of suitable homes with animals accepted is much more than the number of suitable homes with animals not accepted.

INTERPRETATION:

- ▶ there is a positive correlation between the area of the homes and the rent amount.
- ▶ As the area of the homes increases, the rent amount also tends to increase.
- ▶ However, there are some outliers where the rent amount is higher than what would be expected based on the area of the home.



Conclusion :

For Bachelors :

the majority of the suitable homes for bachelors are located in Porto Alegre.

For Mid-sized families :

the majority of the suitable homes for mid-sized families are located in 'Belo Horizonte'.

For large families :

the majority of the suitable homes for large-sized families are located in 'Belo Horizonte'.