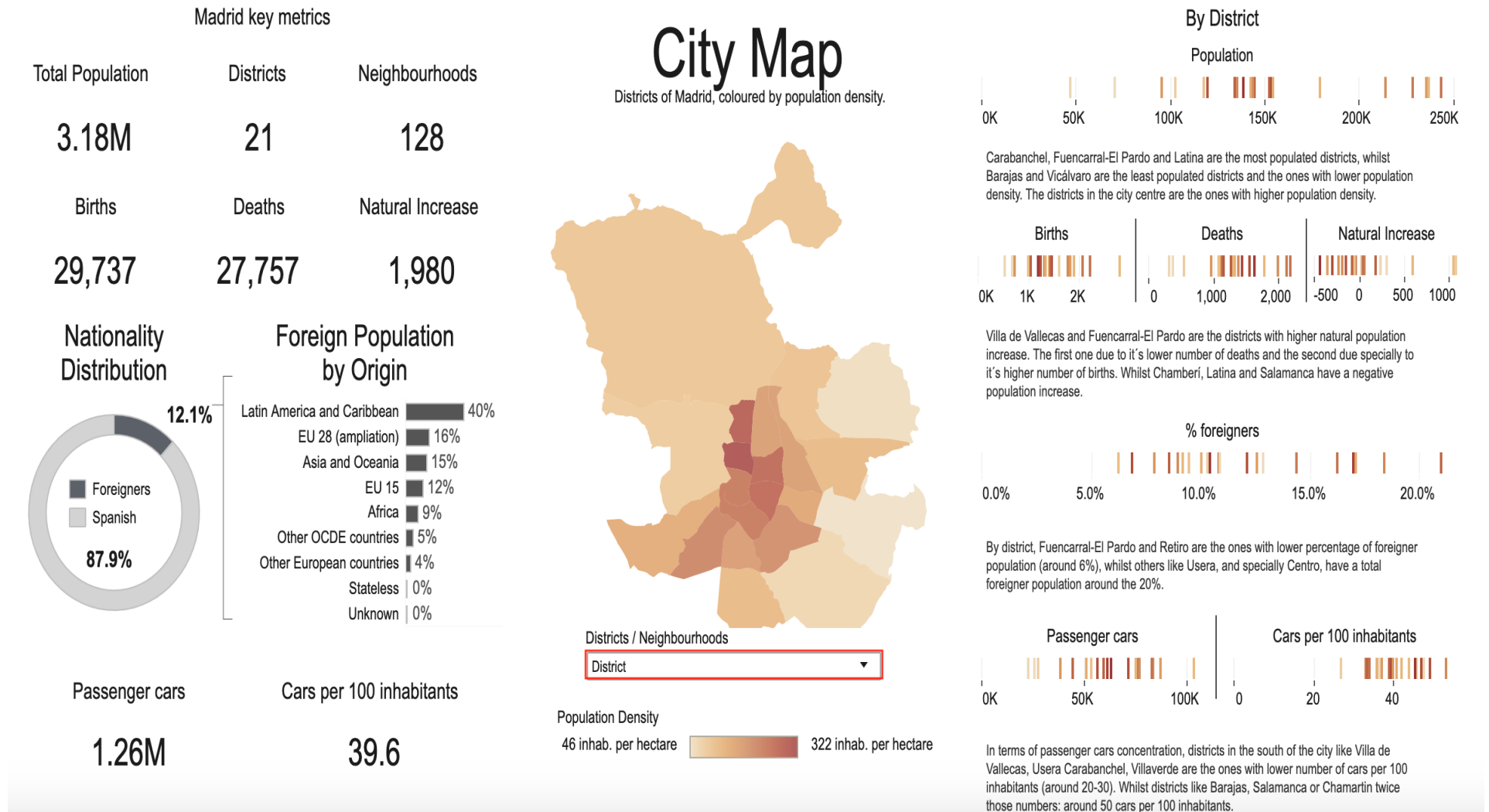


~ Project 1 ~

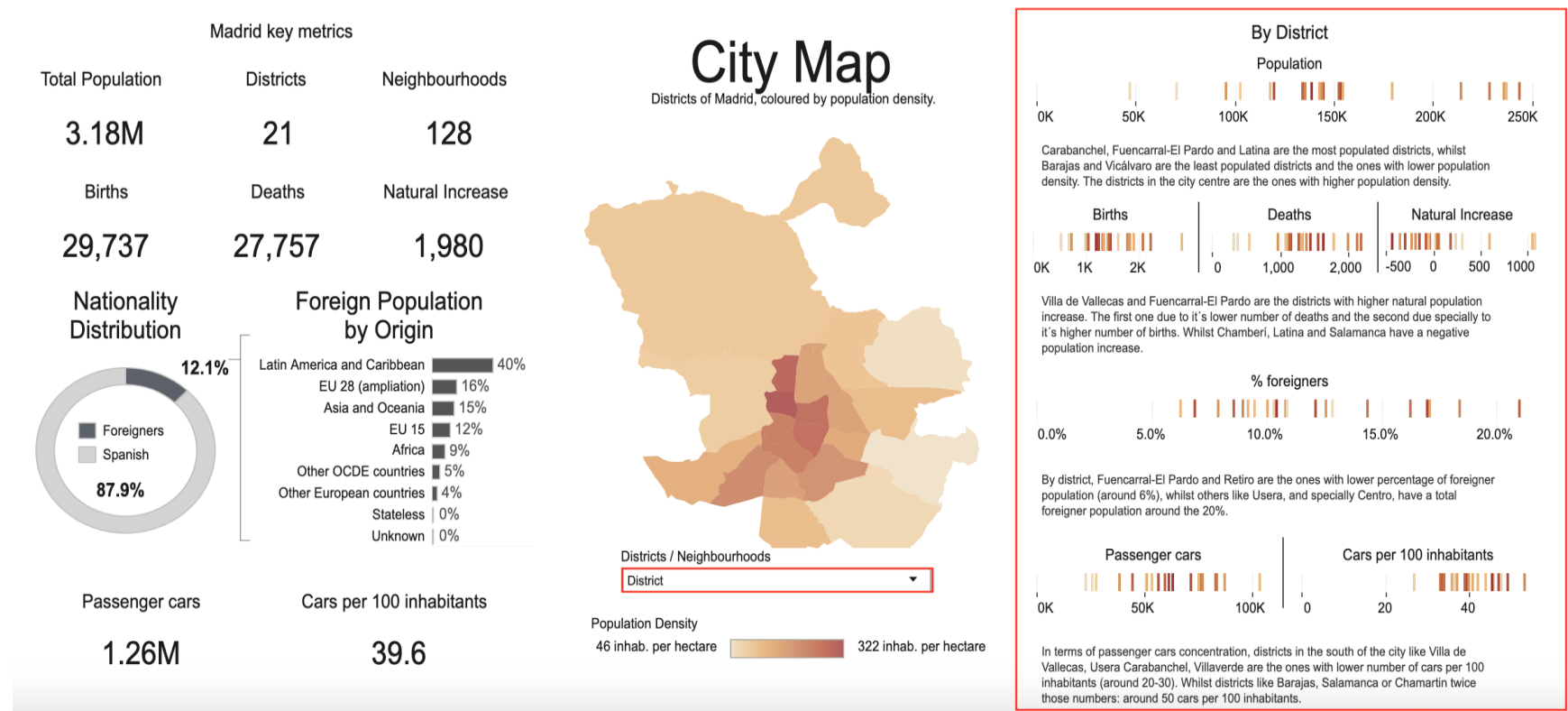
Interpret Data Visualizations – find three insights from this [Madrid in Detail](#) Tableau dashboard

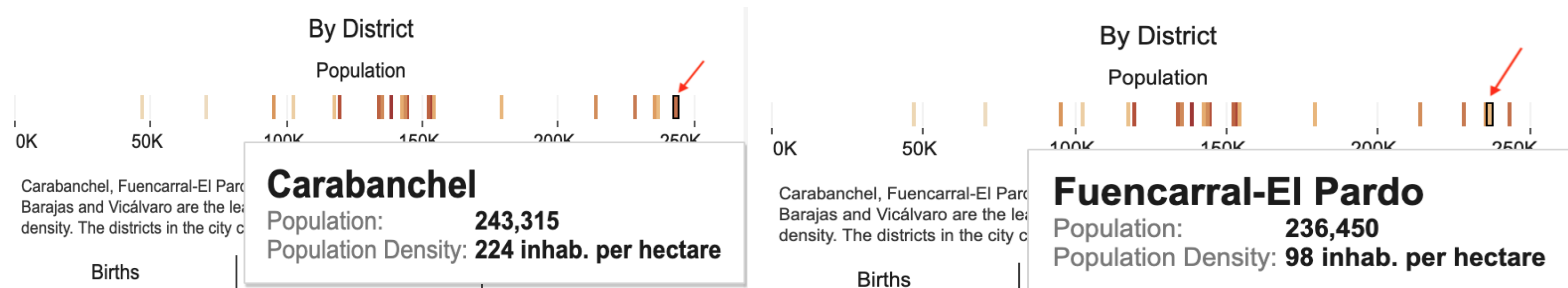
Analysis report by Audrey Tan

I decided to examine the map by District to identify three insights and explain them in this report.

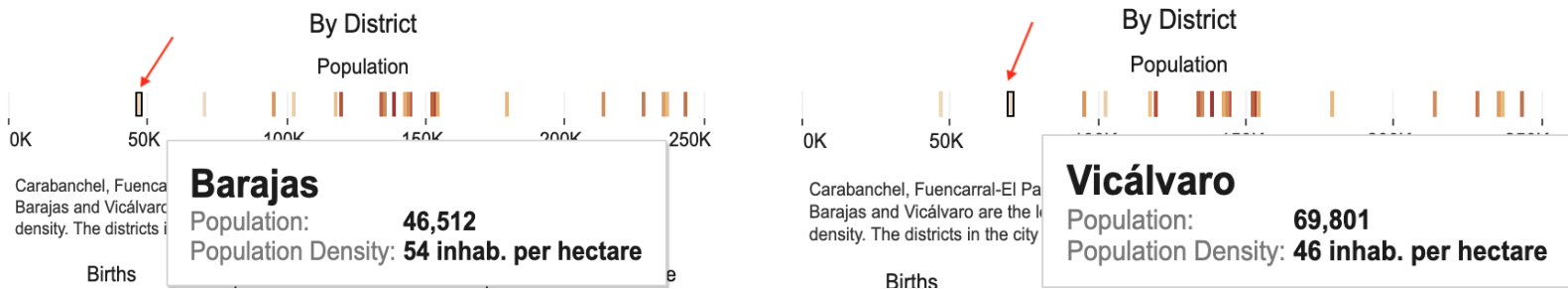


Insight 1: Population By District

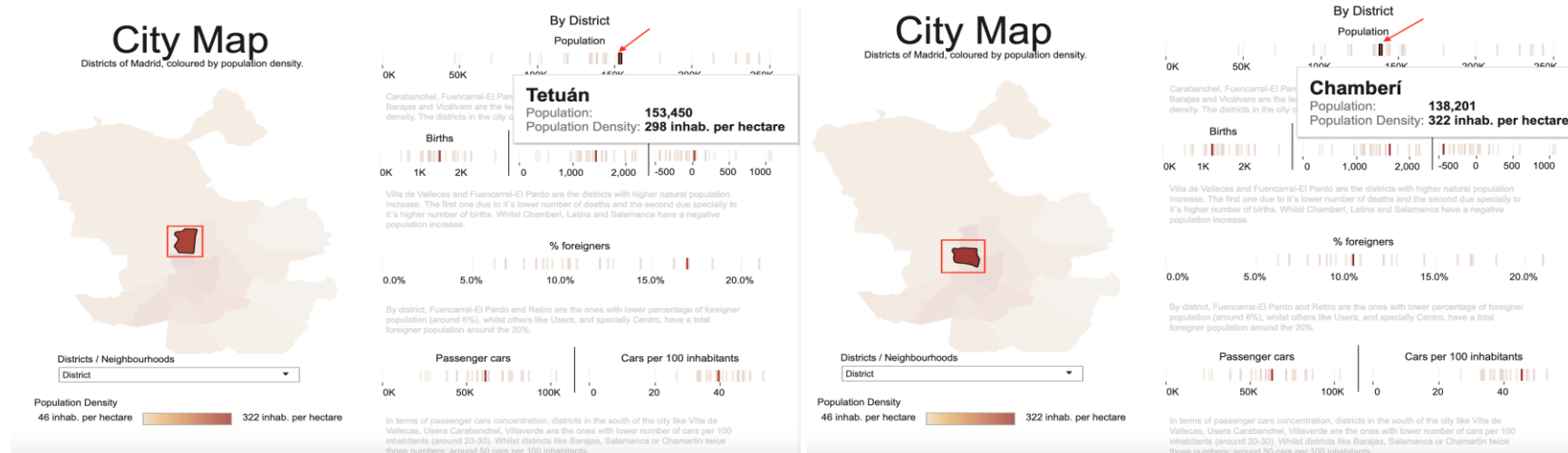




Next, I moused over the 50K tickmark, and the one after it to see details of the two least populated districts:



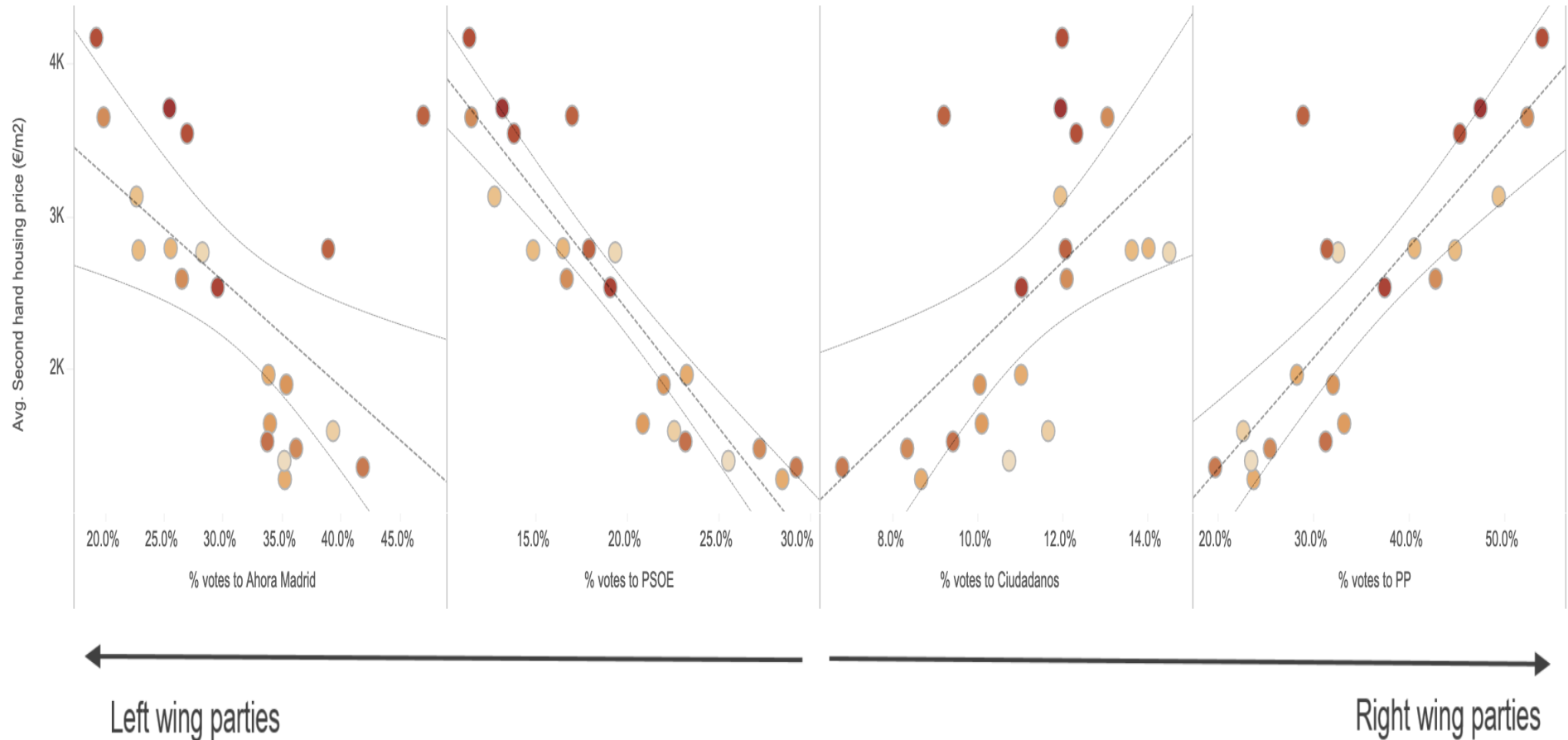
I then moused over the two darkest tickmarks near 150K. This showed the two districts with highest population density are in the city centre:



Conclusion: the details examined agree with Insight 1 observed.

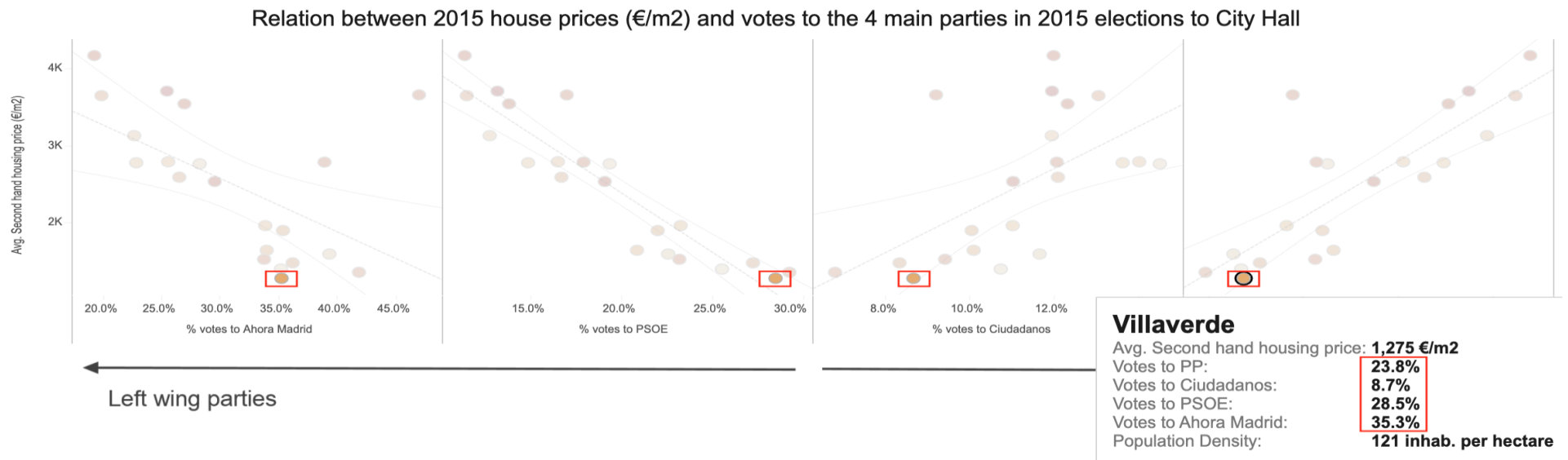
Insight 2: House prices (€/m2) and votes to 4 main parties in 2015 City Hall elections

Relation between 2015 house prices (€/m2) and votes to the 4 main parties in 2015 elections to City Hall

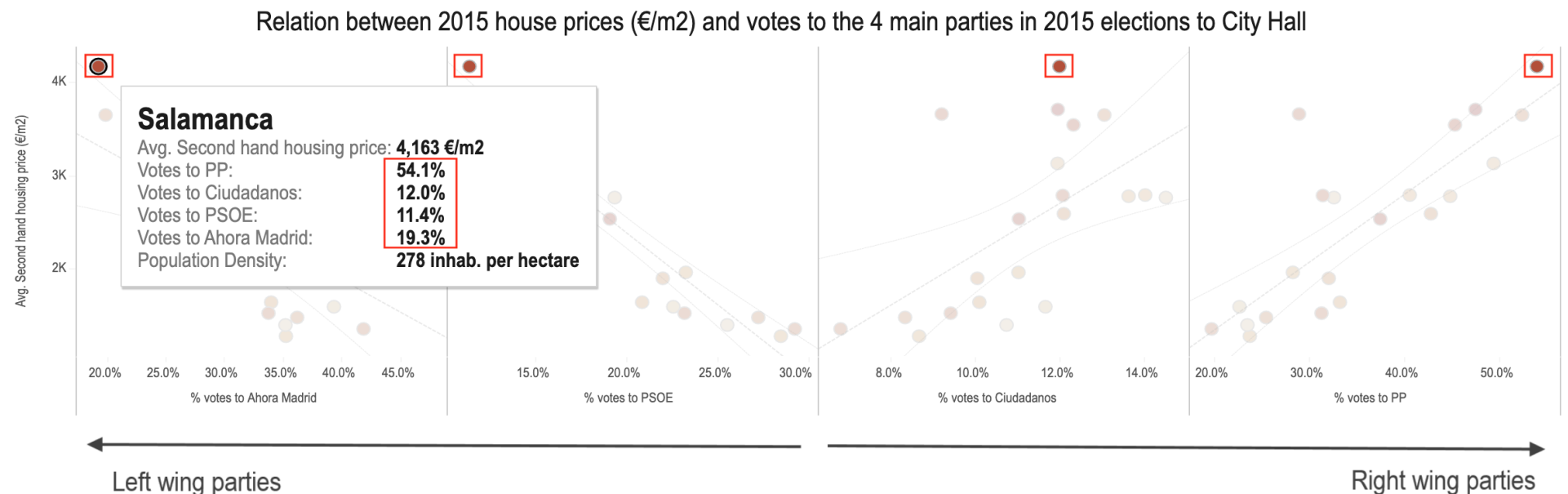


The four scatterplots show the two variables have a negative relationship on left wing parties, and a positive one on right wing parties.

To examine this insight, I clicked on the lowest house price point on the plots, the details support the observation:

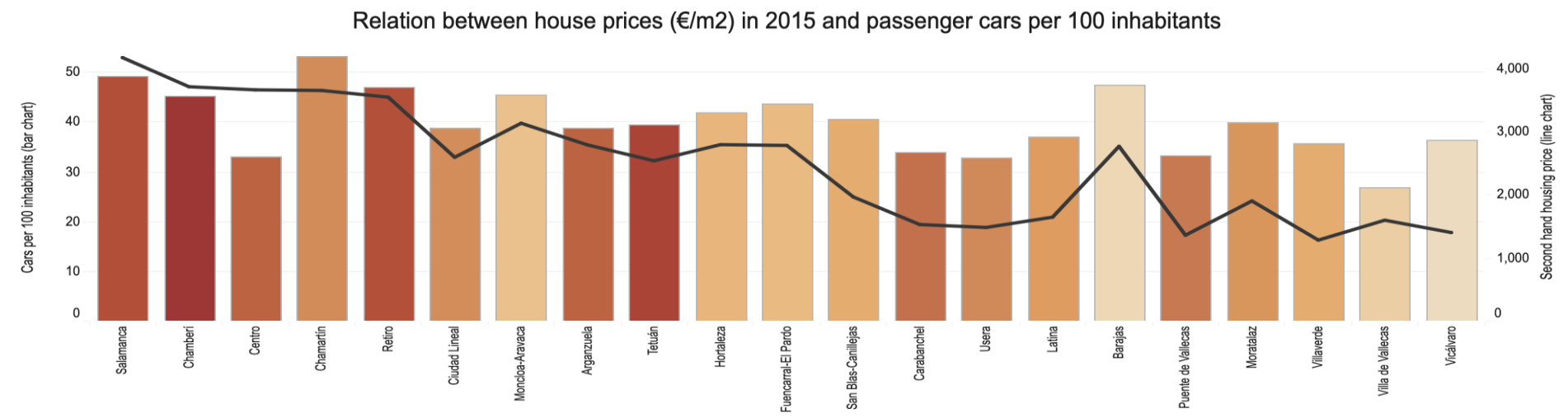


Likewise, the highest house price point on the plots show right wing parties received more votes in districts of higher house prices:



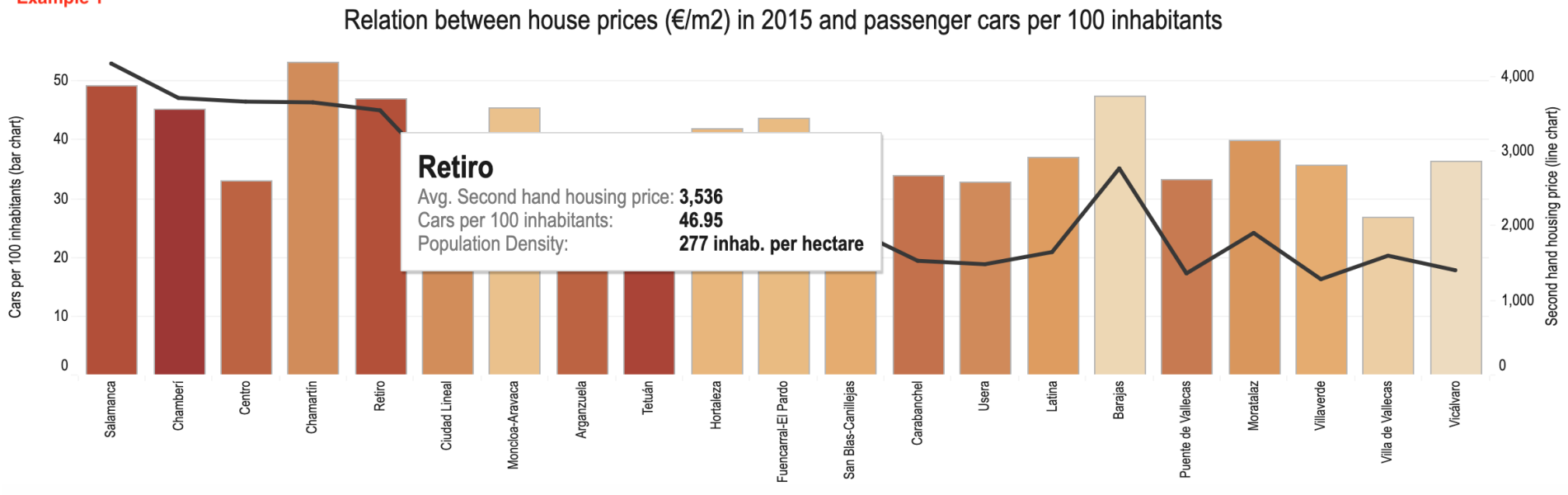
Conclusion: the details examined support Insight 2 observed.

Insight 3: Relation between 2015 house prices (€/m2) and passenger cars per 100 inhabitants



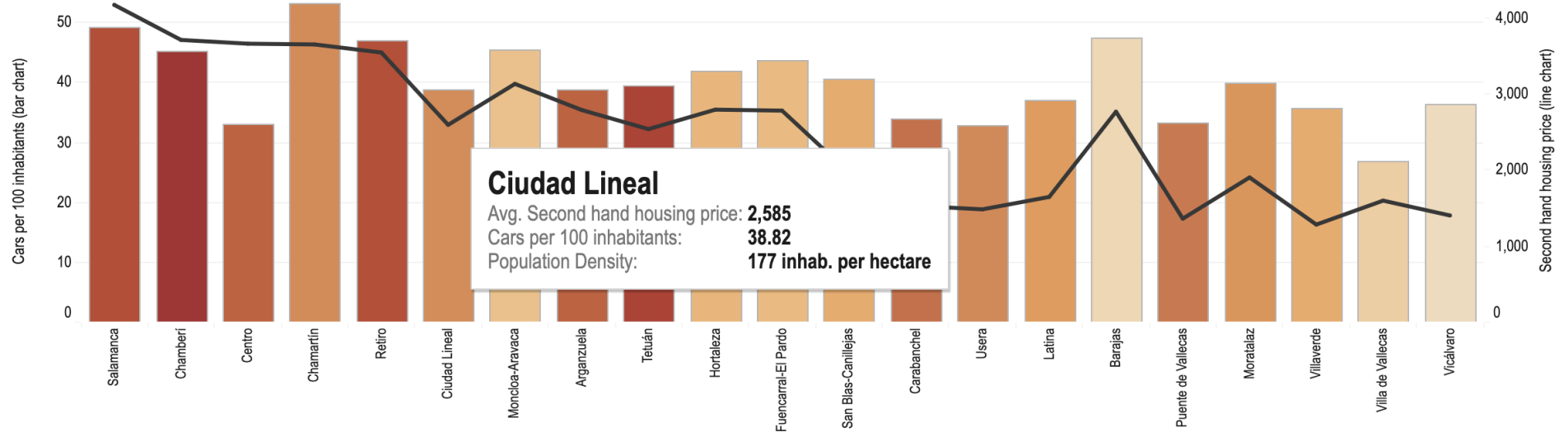
The house price line chart and car count bar chart show the two variables moved in tandem with each other: the higher the house prices, the higher the car counts per 100 inhabitants, and vice versa. This is evident by the following three examples.

Example 1



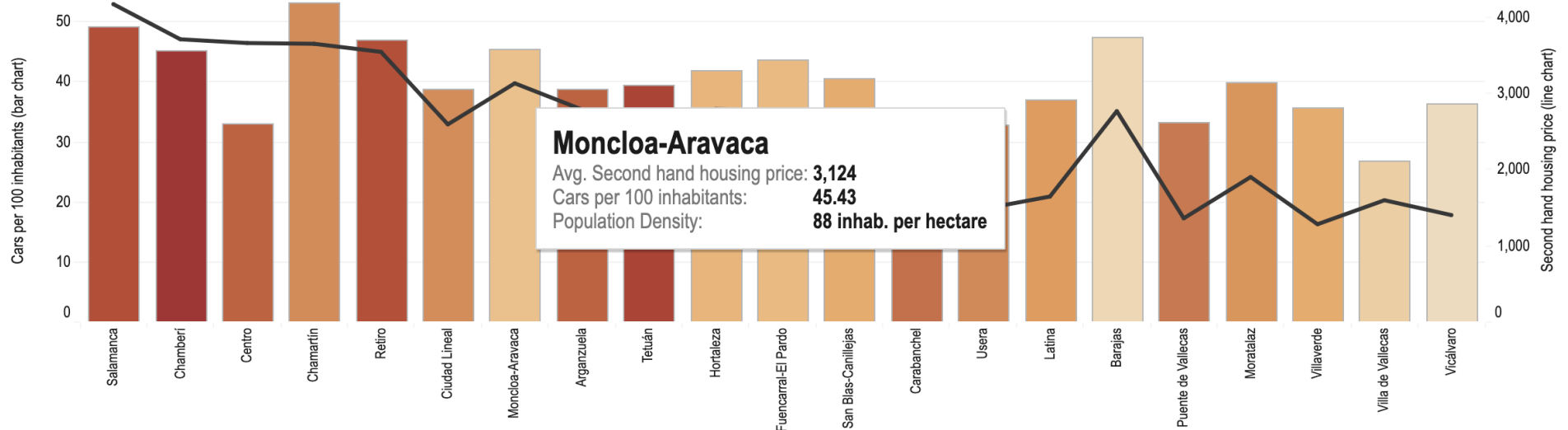
Example 2

Relation between house prices (€/m²) in 2015 and passenger cars per 100 inhabitants



Example 3

Relation between house prices (€/m²) in 2015 and passenger cars per 100 inhabitants



Conclusion: the details examined agree with Insight 3 observed.