

Introduction and problem background

My idea for this project is to compare two cities which I am related to – Prague and Bratislava. Both of them, are capitals of their countries, multicultural spots, administrative base and the most important financial centres. I think, that would be interesting to compare their town districts (let's say boroughs) with using of Foursquare data. I hope that result of that will bring some unexpected similarities and differences based on Foursquare location data. For sure, this analysis will have some limitations and won't be enough for some strategical decisions but will be good as a starting point for possible deeper analysis in future. Now it is mainly about take a look for both cities and determine conclusions.

Data

I will use points coordinates of Prague and Bratislava cadastral districts, which I prepared in QGIS software. Those data I already have in csv files. So, for the analysis will be required to transform it into DataFrame.

For case of **Prague** I am going to work with **112 cadastral districts**, which in the end will be grouped into **22 Administrative District**.

For case of **Bratislava** I am going to work with **20 cadastral districts** which in the end will be grouped into **5 Administrative District**.

Need to notice that administrative dividing in Prague is quite complicated for the first understanding.

All of the districts are represented by own definitional points (mainly centroid of the polygon layer), which should be located nearly to most frequented spot.

Next data will be from Foursquare, which I am going to get by using developer API.

I am sure, that it is not good to compare those cities one to one based just on values, so for that reason I have to normalize, and average founded data.

Target audience

- Administrative officials
- Business developers
- Travelers, who planning to go to middle of Europe