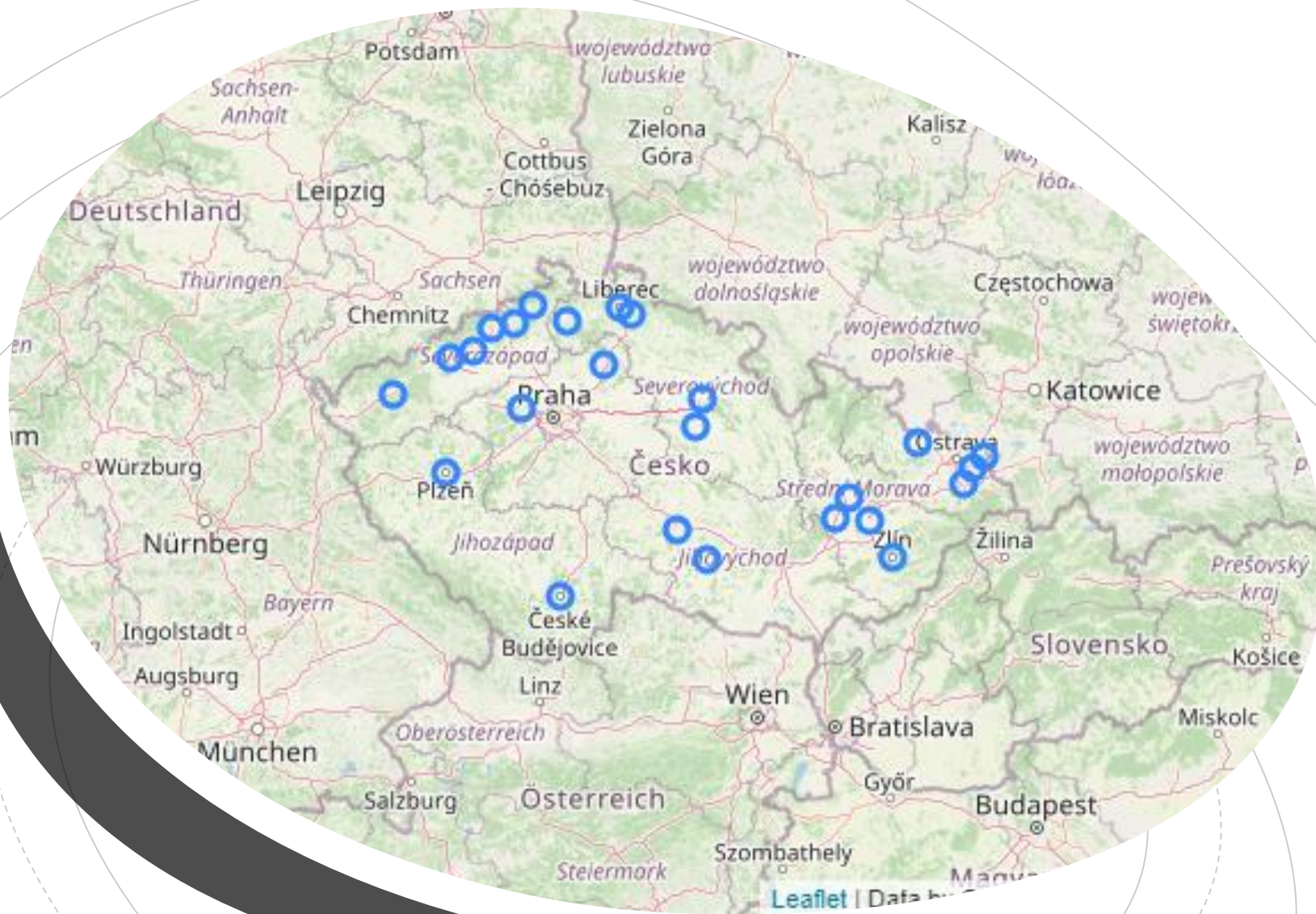Small Czech towns clustering

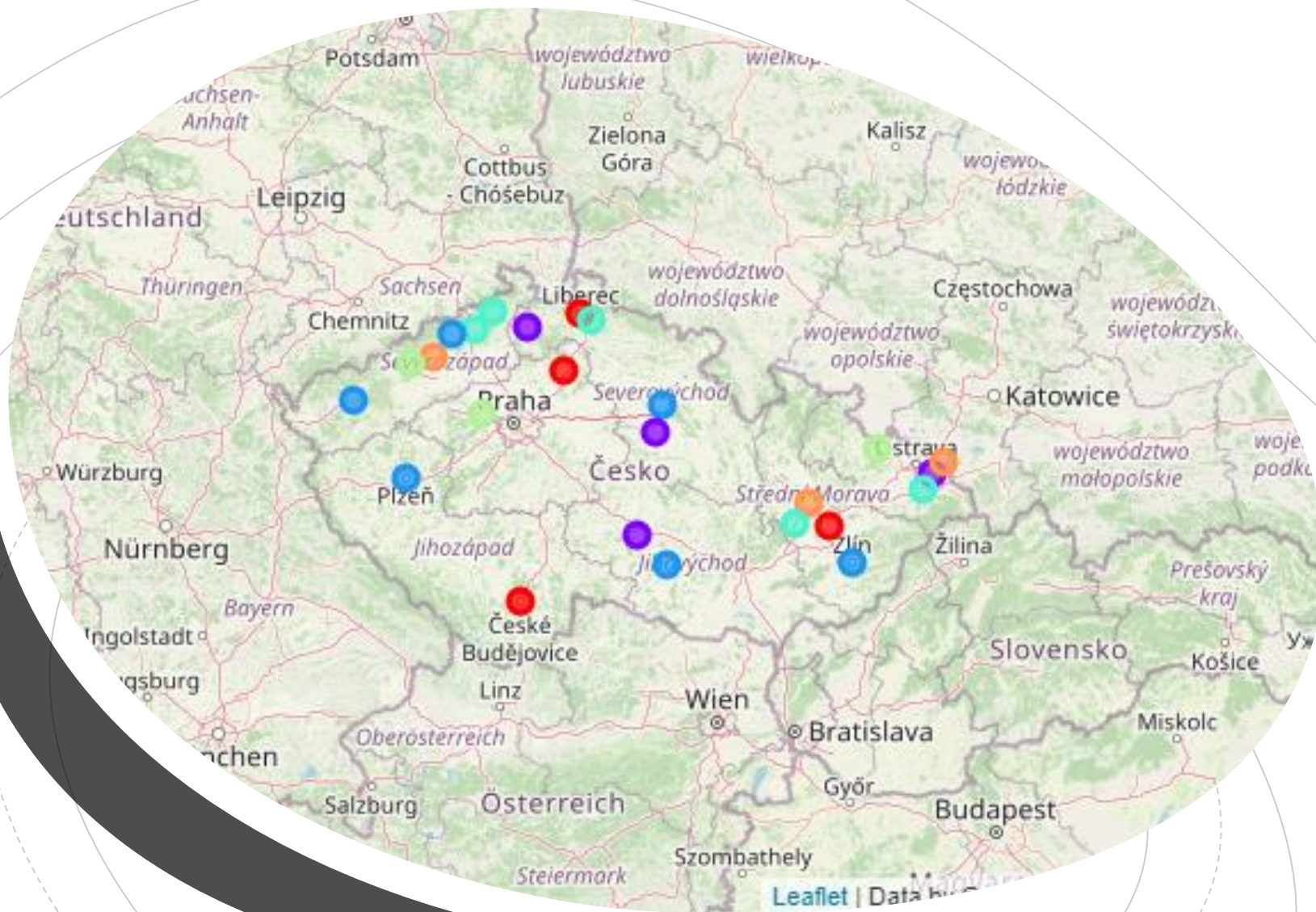Coursera Capstone

The problem

- Let's imagine, that someone has several job offers in different towns. Those offers are almost the same, but each is in different city so he will have to move. He loves his city, so he wants to move to some similar place.

- What smaller cities in Czech Republic are similar?

The Data

The Data

- Wikipedia to get list of cities with number of population

- Geopy to get cities locations

- Foursquare API to get information about venues

The Clusters

ScikitLearn Kmeans to get the clusters

Conclussion

- For me this part of course, which I otherwise liked a lot, was disappointing. I could think a lot of useful machine learning applications, but not if I must use Foursquare. As I have mentioned I my report several times, this API is intended to do absolutely different job, so data you can get from it will always be incomplete for such analysis. It is even against Foursquare policy! All you can do is somehow alternate the example from earlier lessons and I am not interested in that at all. At least not this way.