Ethnic Cuisines of Europe

DATA SCIENCE CAPSTONE PROJECT

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Introduction

Aim of this project is to answer these questions:

- Take some particular cuisine as a parameter and collect data of its presence in main cities of Europe.

- Detect geographical trends.

- Compare popularity of ethnic cuisines around Europe.

Target audience:

- Professional researchers
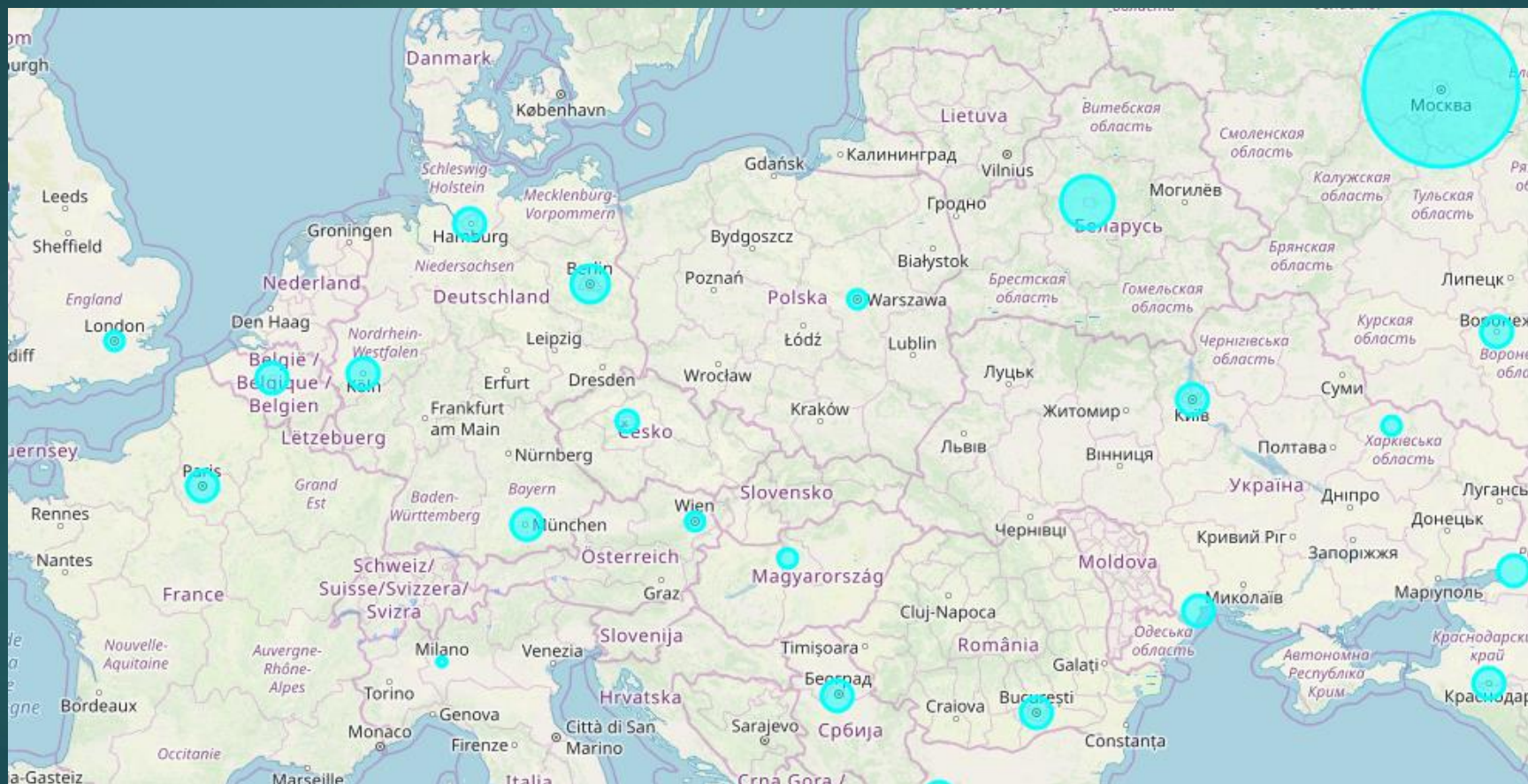
- Tourists and food lovers

Data collection

- List of largest cities in Europe: wiki page

- Google Geocoding web service

  Assume, that it returns coordinates of city center if city name is requested.

- List of restaurants of specific national cuisine: Foursquare API

Data Transformation

1. Download wiki table of largest cities of Europe, extract it and build dataset of cities and its population.

2. Enrich the dataset with latitude and longitude of each city with help of Google Geocoding API.

3. For each city in the list extract list of venues of specific category (for example, Turkish Restaurants).

4. Merge Cities and Venues datasets, group and clean to get statistics by city.

5. Normalize statistics by city population.

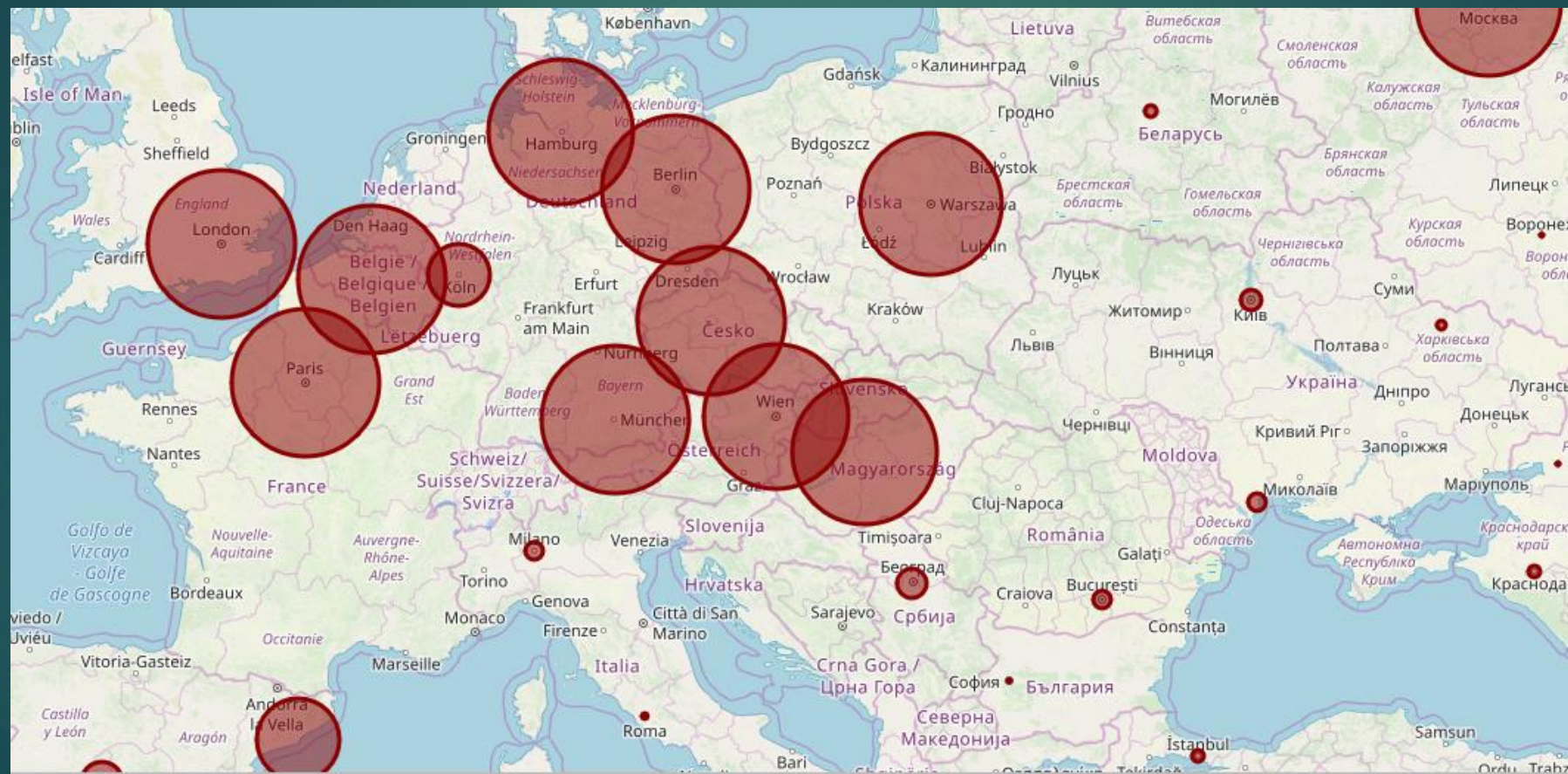6. Make visualization on Europe map.
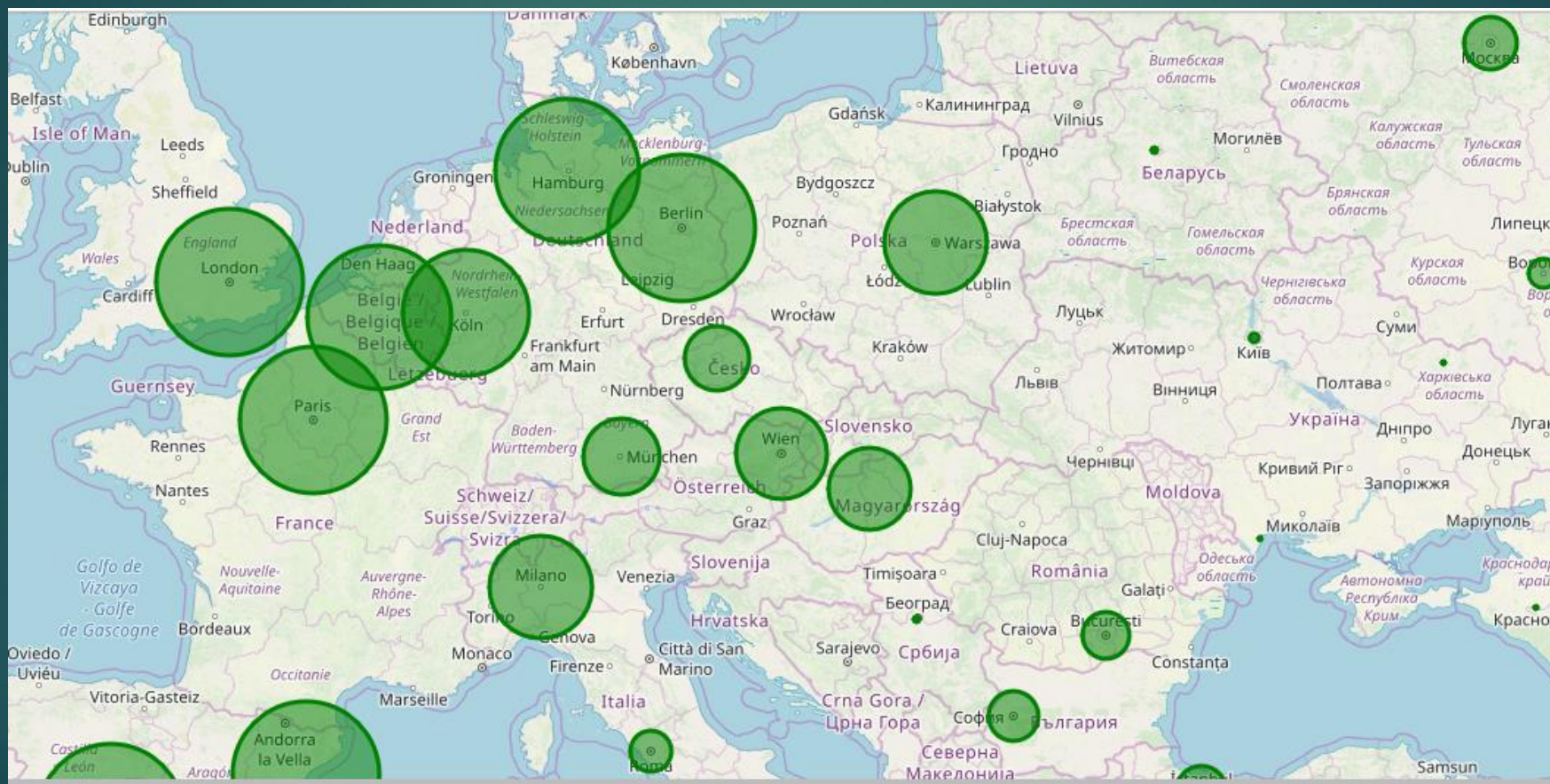
Results I
Russian cuisine

Results II
Vietnamese cuisine

Results III
Spanish cuisine

More Results
popular venues in various cities