Coffee in Oslo

DATA SCIENCE CAPSTONE PROJECT

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Problem statement

«Where is the best location in Oslo to open a new coffee shop?»

Requirements:

- In the city of Oslo
- Nearby the city hall
- close to parks
- No nearby competing coffee venues

Methodology

To do this analysis, we use the following tools

- Foursquare data
- Open Street Maps data
- Foursquare developer API
- Jupyter Notebooks
- IBM cloud
- Python 3.7 language
- Various libraries,

Results

Red dot: center of the query, the Oslo City Hall

Blue dots: venues within a 1500-meter radius from the Oslo City Hall that are dedicated to coffee.
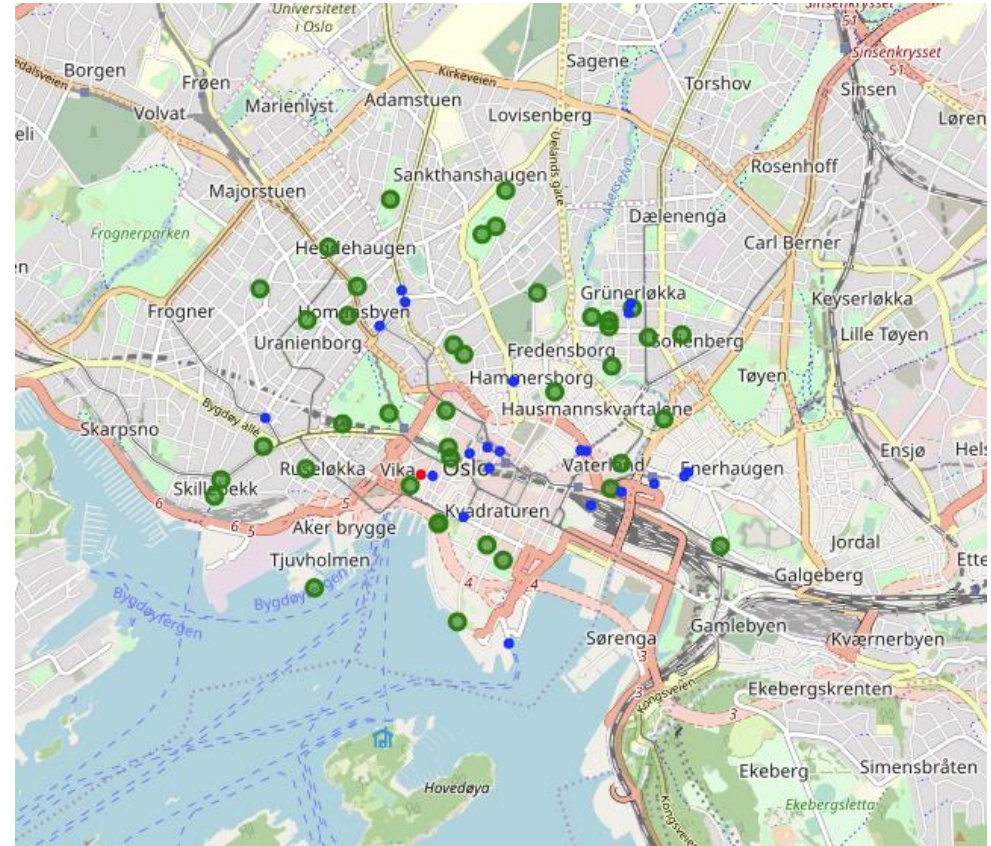
Green circles: parks within a 1500-meter radius from the Oslo City Hall
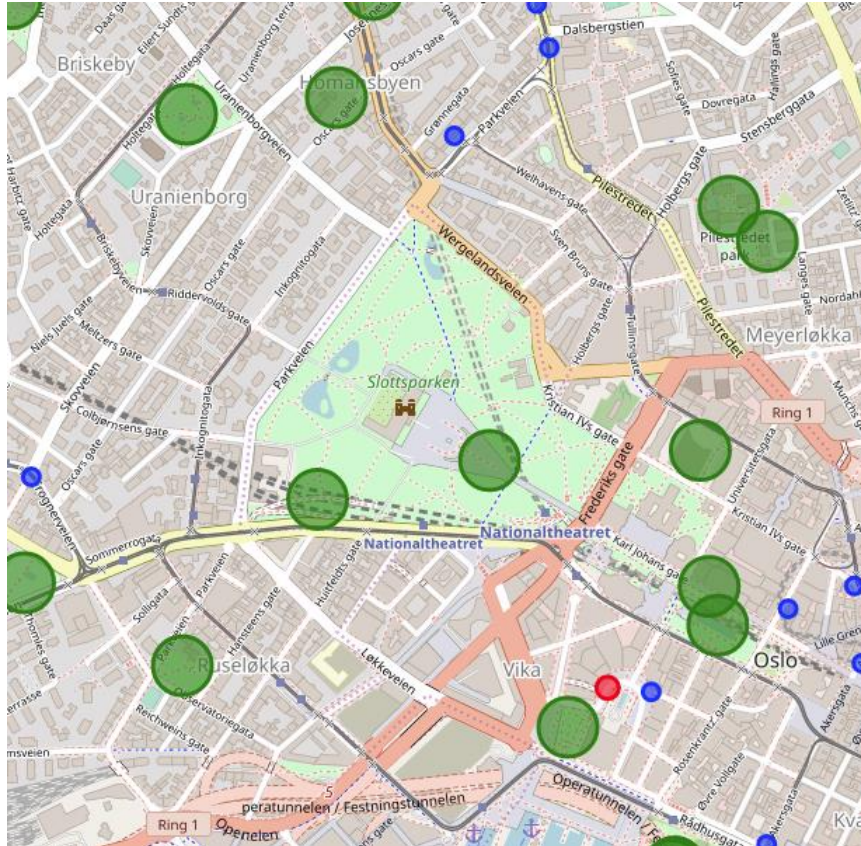
```
In [17]: dfvp_park["name"].count()
Out[17]: 40

In [18]: dfv["name"].count()
Out[18]: 21
```

Conclusion

The area with the most parks, one of the most touristic areas, which is still near the City Hall and does not have competing venues, is around the Royal Castle, just in the center of Oslo.

Around this park is the best location to start a coffee shop.

Thank you