



SCHOOLS HISTORY AND GEOGRAPHY EDUCATION PROJECT(SHGE)

*THE BATTLE OF NEIGHBORHOODS
(WEEK 2)*



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1. Introduction and background

- The Economic Affairs, Education and Research Ministry of Switzerland has succeeded in convincing the Federal Assembly to pass a law in support of the "History and Geography Education Project" tendered by The Secondary School Heads Union (SSHU) in 2018
- The federal secondary schools to implement an already laid out requirement for all penultimate High school students to embark on a three-day international trip to some selected top museums in Oslo
- Tour 2 learn to deliver a laid-out requirements by the Swiss Ministry of Education. We are to come up with several details in a business case to tender to the Swiss body.

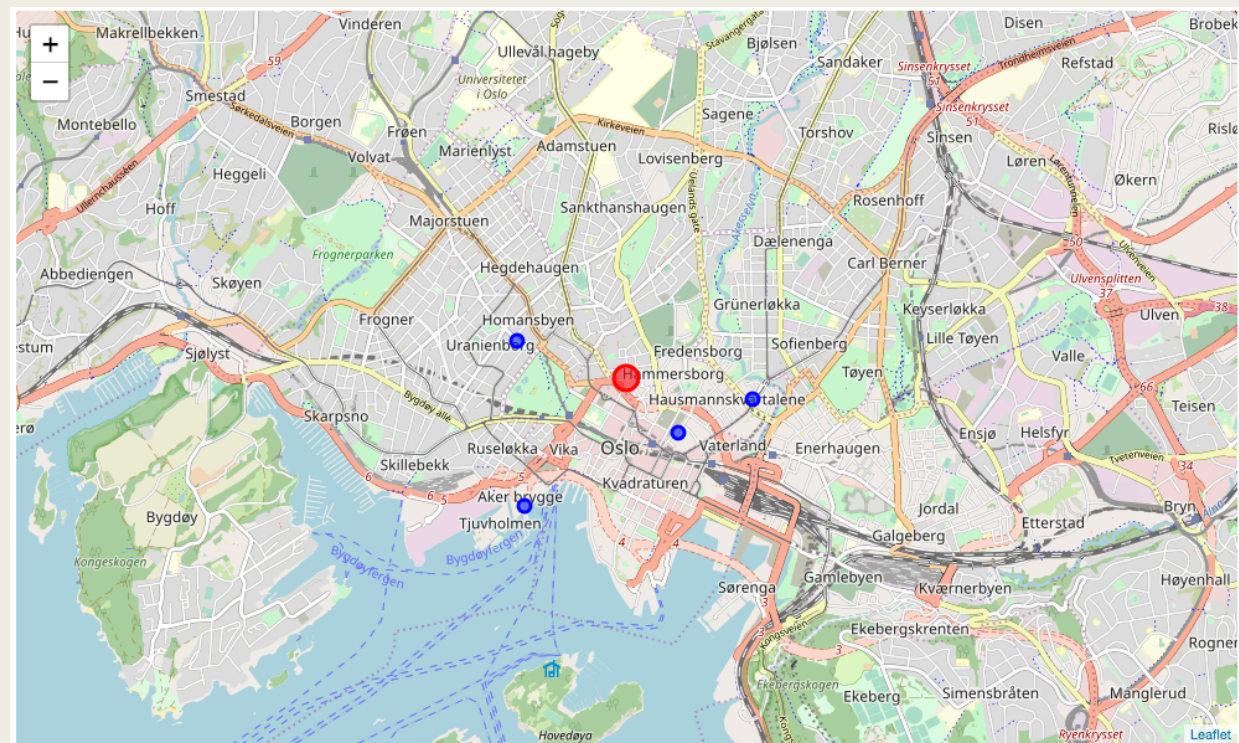
2. Data Description Summary

- **First Dataset** contains [14 Top-Rated Tourist Attractions in Oslo](#). The project stipulates not more than 14 destination in the area of interest to make it easier for students to work with one another and complete their projects within the shortest possible time
- **Second Dataset** depicts near neighbourhoods (using **FourSquare API**) to the chosen Scandic Hotel for the students accommodation. The purpose is to have a first hand view of available restaurants in order to give the students the opportunities to make choices regarding meals even before they arrive Oslo and to ensure that after the stress of visiting the attraction centres chosen for the day, it's a lot easier to have dinner and end the day.

3. Data Exploration and Analysis

- Four main features from the website to get started: the list of attraction places, their addresses and their official websites and will be basically sufficient (in addition to recommended hotel accommodation - second dataset)
- **Foursquare API** is utilized to obtain the latitude, longitude locations of the listed attraction places so that we get a handy map before the students leave Ireland for Norway.
- Ireland will most likely reduce the number of attraction places to about five or six. But it is good to notice that visits to Oslo Cathedral, Aker Brygge and the 'Oslo City Hall' (Rådhuset) is free of charge. Aker Brygge will suit any students of science while Oslo cathedral and Rådhuset will definitely be top choices for students of history. The zero price is significant to note when making a final list of the places for students to visit.

3. Data Exploration and Analysis



4. Results

The students, teachers, The Irish Ministry of Education, Schools History and Geography Education Project board (SHGP) and The Secondary School Heads Union (SSHU) now have first hand information:

- A project plan (both in digital and paperback format) that will be available for everyone, including students
- The detailed names of attraction centres (museums, etc)
- The websites of the visiting centres can be visited and explored even long before a schedule trip
- The addresses of all attraction centres are now known.
- Price information is fully available
- Ratings for all museums are obtained
- Information regarding hotel and accommodation is clear
- A brief map of the Hotel neighbourhood is handy, which includes the restaurants chosen for the visit

5. Recommendation & Conclusion

- The price and ratings may change by 2020, so an up to date information should be appended to the project plan by the Schools History and Geography Education Project board (SHGP).
- After the first visit by the Granda Hight School students in 2020, there should be a survey to generate feedback with intention of improving the next visit to Norway.
- **Conclusion:** We have used the power FourSquare and other Data Science tools to show that a group trip from one country to another can be well planned by simply get information involving available data without the hassles of embarking on too many trips and a long chain of meetings. The wonderful feature of FourSquare API has helped us to pre-plan a journey and studying our neighborhood with clean and clear maps.
- *Data Science can indeed make trips and journeys and even the future education of next generation of students much much easier.*