

Cultural viewer service: Preproject information

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Ironhack Fulltime Data Analysis bootcamp (Blended format)

1. Background of the student

Due to my personal background, I have been thinking about the final project since we stated the course.

The only field which I can fit all my knowledge (Sociocultural research as well as History) it is the cultural tourism industry. Due to this fact, we are here to present the “Cultural viewer service” a project of Data Analysis that aims to create a machine learning that recommend monuments based on different criteria to users.

2. Project structure

As we need data to feed the algorithm of our project, after a careful search and consults with my professor, this project will have 3 steps

2.1. Extraction process

This part will collect all the data available for our project from one main source and 2 methods.

Google will be our source of information. We will practice web scraping to retrieve all the information about the most visited places in Istanbul, rated by number of reviews and score of users.

Once we have the data, we will make queries to google maps API service, to obtain all the locations in a radius of 2000 meters.

2.2. Cleansing process

Once we have all the data collected, we will clean and extract all the useful information to feed the algorithm. In this part, we will use the knowledge of the different interest point to complete the data based on historical importance and recommendation for types of visitors.

2.3. Load process

In this part of the process, we will load all the information into a SQL format database to store all the data gathered in the above steps. This will allow us to create samples for the algorithm and, also, to create figures with the data gathered to connect data among each other.

2.4. Machine learning process (to write due to the lack of knowledge)