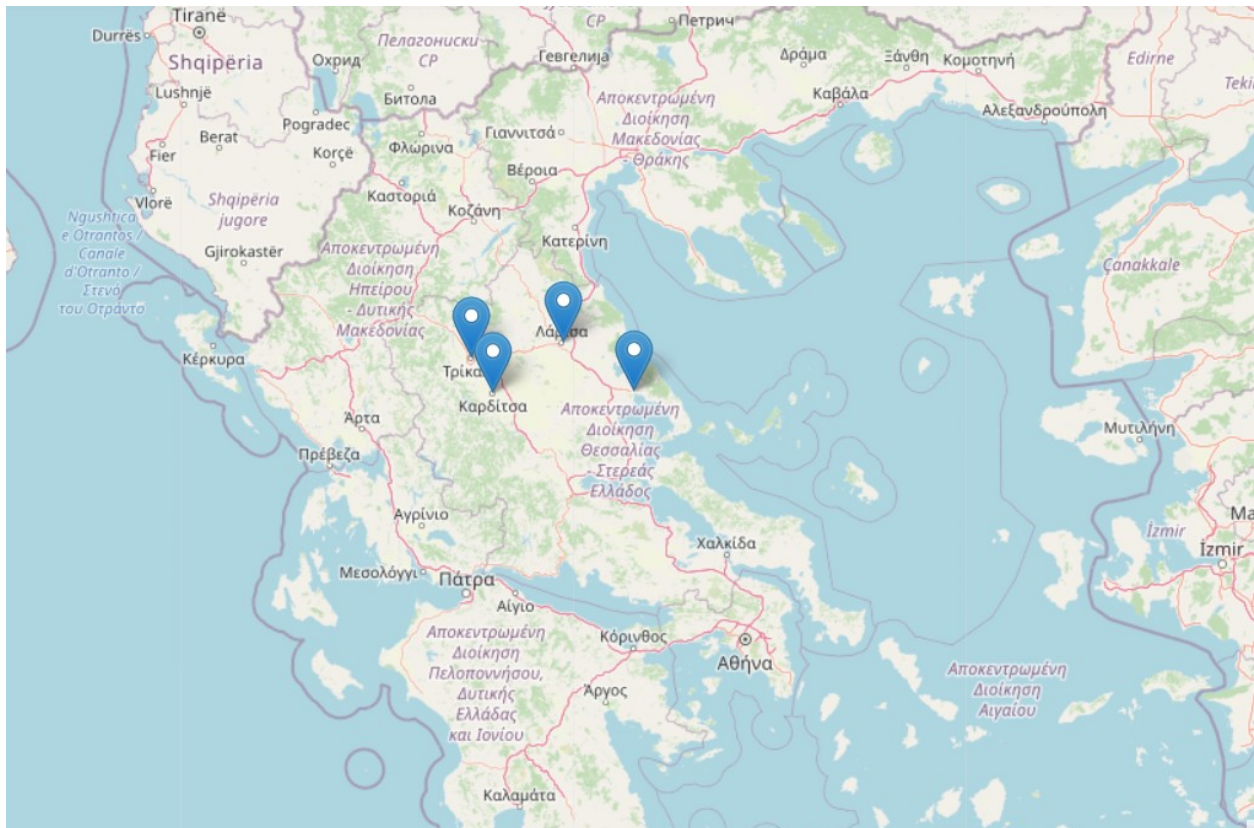# IBM Data Science Capstone Project
Region of Thessaly, an overview

Introduction

Thessaly is a geographic and modern administrative region in central Greece, a country known for Tourism. In this project we will make an overview of the venues of the 4 biggest cities in Thessaly. Volos, Larisa, Karditsa and Trikala.

Business Problem

The questions that will be asked in this research will be:

1) Which are the best venues in the cities of out research, and how good are their ratings?

2) How similiar or disimmilar are these 4 cities that are geographically close, in regard to the venues they offer?

Data needed

The data that we will need for our research will be gathered from the foursquare API, a very

famous platform about venues. Since the data that we will need are many, I had to upgrade from the default Sandbox Account to Personal Non-Commercial verified Account for the platforms developer account.

The data that were collected were about each venue's

- location, geographical coordinates about latitude and longitude, so as to be able to visualize the venues in maps

- category of venue, like caffeteria, bar, etc

- the ratings that Foursquare users gave them

This project will make use of many skills a data scientist must have, like working with an API to gather data, data wrangling, data cleaning, data reduction, and data visualization.

Target Audience

The goal of this research is to give the people of the region an overview of the entertainment options the biggest cities in Thessaly provide. In addition it can be used as a tool for seeing any gaps that can be filled by any businessman willing to make an attempt in the region.