**World Quant University**

**Professor: Tiberiu Stoica**

**Machine Learning**

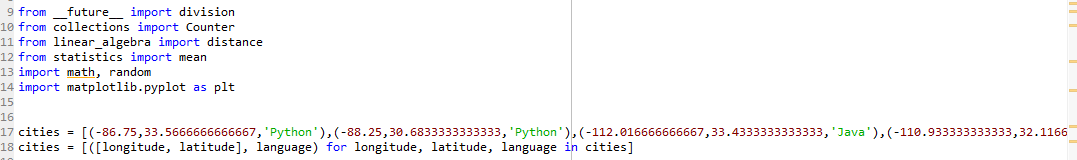
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**Unit 4 Project**

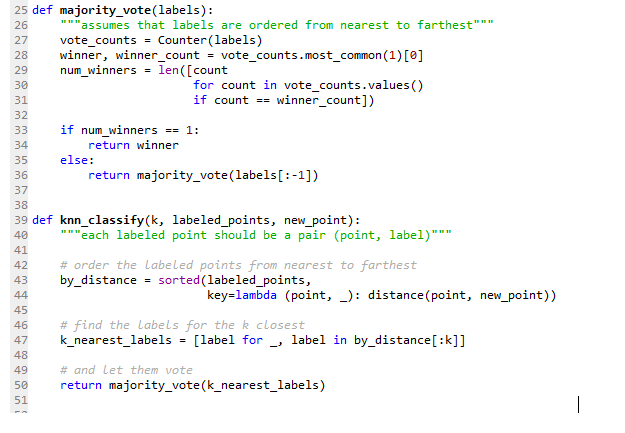
### Overview

You are given the following data set, which consists of latitudes, and longtitudes of locations of people who are predominantly  Python, Java, or R users.

The first part is to hard code the latitudes and longitudes provided byt the wqu machine learning classes:

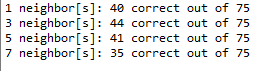


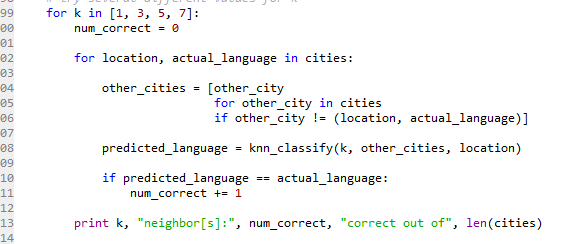
One should notice that we use other py files, like statistics and linear\_algebra, please execute those files before executing the main Mini Project 4 file. After that we need to create a knn classifier



Then we proceed with the classification for k of 1, 3 ,5 and 7 as requested:

Final results:





For this Mini Project I used the excellent book: Data Science from Scratch by Joel Grus