

Coursera Capstone Project Part 1

IBM Data Science Certification

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Introduction/Business Problem

I just moved to Raleigh North Carolina. I try to find the best neighborhood with most of the restaurants.



Data and Data Source

In order to find the neighborhoods with most of the restaurants, we need the following information:

1. Neighborhoods in the Raleigh, NC area.
2. The location coordinates of the neighborhoods
3. All restaurants surrounding each location

Where to collect the data

- Neighborhoods in the Raleigh, NC area.
 - I found those information from wiki page:
 - https://en.wikipedia.org/wiki/Raleigh,_North_Carolina_neighborhoods
- The location coordinates of the neighborhoods
 - Method 1: Use python geocoder module
 - From <https://www.latlong.net>
 - For large amount of neighborhoods, python module is used. But I found some of the neighborhoods are not correct. I used <https://www.latlong.net> to correct data.
- All restaurants surrounding each location
 - Use Foursquare api, I can found those information.