

The Battle of Neighborhoods

Where are the best BBQ restaurants in the areas surrounding Austin, TX

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Problem Statement / Introduction

- In the state of Texas, there are many barbecue (BBQ) restaurants.
- Austin, TX is the capitol of Texas and as such many visitors frequent the area for business and/or personal reasons.
- A common question is where to get good if not the best BBQ?
- Problem Statement:
 - Where is the best BBQ joint based on restaurant ratings of reviewers in the cities surrounding Austin including Austin, TX?
- Audience:
 - Visitors to Austin
 - Local residents looking for BBQ
 - Restaurant entrepreneur looking for a location to start a BBQ

Background

- Visitors to the Austin area need to sample BBQ, a Texas claim to fame unlike any other BBQ found in other parts of the USA.
- There are several cities that surround the Austin area and each one has a claim to the finest BBQ including many places in Austin.
- A very famous location close to Austin is in Lockhart, TX which has claimed the title of “Barbeque Capital of Texas.”
 - Is Lockhart the answer on best BBQ?

Data Requirements

1. Identify the key surrounding cities around Austin, TX
 - Including Austin as well
 - Scalp the web site <https://www.newhomesource.com/learn/best-austin-suburbs/> for cities
 2. Determine the Latitude and Longitude for the above cities
 - Use the United States Cities Database csv file at <https://simplemaps.com/data/us-cities> to determine the latitude and longitude coordinates on the cities identified above
 3. Use Foursquare to search for the BBQ venues and ratings
 - Retrieve the top 100 venues within 5 miles of the city Lat/Long
 - Identify BBQ places – assumption will be the name contains a reference to a BBQ keyword
 - As a side benefit, list the top 10 venues for each city to see if BBQ is listed
 - Pull out review information also and perform a cluster analysis to see where top rated BBQ venues are located in each city
 - Create a visualization of the top BBQ venues
- Clean the data as required