

# Coursera Data Science Capstone Project :

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## 1 Introduction

This project is to analyze the districts in Houston and find one for a young couple in their 20's. They enjoy going to wine bars and yoga studios and would prefer a location where these are in plenty. The objective of this project is to analyze the districts in Houston and find one that fits this couples needs. This is a great project to use for the Foursquare API

## 2 Data

There are multiple datasets that are needed to analyze this data. These datasets will be used to analyze the different districts and then select one based on the couples needs.

### 2.1 District Data Set:

This dataset is extracted from the Wikipedia page and we use Beautiful Soup to scrape the webpage.

### 2.2 Geocoding Data:

This dataset is obtained using the geocoding API that are then used in the dataframe.

### 2.3 Venue:

This dataset is obtained from the Foursquare API. We get information about venues around the Houston districts.