

2. Data

To get data on crimes in Los Angeles I choose data.gov website, which is the home of the U.S. Government open data. The following link gives the .csv file with crime data in LA from 2010:

<https://data.lacity.org/api/views/y8tr-7khq/rows.csv?accessType=DOWNLOAD>

The last update was done in August 2018, and since the crime rate was declining in Los Angeles in the past few years, I will focus only on data in 2017 and 2018.

For each occurrence of a crime, the data contain the following information:

- DR Number
- Date Reported
- Date Occurred
- Time Occurred
- Area ID
- Area Name
- Reporting District
- Crime Code
- Crime Code Description
- MO Codes
- Victim Age
- Victim Sex
- Victim Descent
- Premise Code
- Premise Description
- Weapon Used Code
- Weapon Description
- Status Code
- Status Description
- Crime Code 1
- Crime Code 2
- Crime Code 3

- Crime Code 4
- Address
- Cross Street
- Location

In this project I am interested in the following subset of data:

- Area name
- Crime Code Description
- Status Description: indicates arrest, investigation or others
- Address
- Location (which contains latitude and longitude information)

To get data on restaurants and clubs I will use Foursquare API. Venue categories I am interested in are:

- Italian Restaurant
- Mexican Restaurant
- Nightclub
- Bar, particularly: Beach bar, Beer bar, Cocktail Bar and Wine Bar.