

2. Available Data

To complete this work we require several types of data, which must be extracted from different sources.

1. In order to analyze different neighborhoods and suburbs of Houston, we first need to find the geographical data related to Houston suburbs. This data was extracted from the “US zip code latitude and longitude” web page (<https://public.opendatasoft.com/explore/dataset/us-zip-code-latitude-and-longitude/table/>). The location data was extracted for Texas (the filter is only available at state level) and stored in a csv file.
2. List of about 25 suburb cities was manually extracted from various pages and, stored in a csv file.
3. Foursquare location data will be used to find various information regarding each suburb of Houston. Then this information will be used to analyze each suburb and make recommendations regarding the characteristic of the neighborhoods.