



The Battle of the Neighborhoods (Week 1)

Data



Data Requirement

- Based on definition of our problem, factors that will influence our decision are:
 - * number of existing restaurants in the neighborhood (any type of restaurant)
 - * number of and distance to Italian restaurants in the neighborhood, if any
 - * distance of neighborhood from city center
- We decided to use regularly spaced grid of locations, centered around city center, to define our neighborhoods.

Data Requirement (*Cont'd*)

Following data sources will be needed to extract/generate the required information:

- The centers of candidate areas will be generated algorithmically and approximate addresses of centers of those areas will be obtained using **Google Maps API reverse geocoding**.
- The number of restaurants and their type and location in every neighborhood will be obtained using **Foursquare API**.
- The coordinate of Taipei center will be obtained using **Google Maps API geocoding** of well known Taipei location (Taipei Main Station).