This dataset was used for a study where the task was to generate a top-n list of restaurants according to the consumer preferences and finding the significant features. Two approaches were tested: a collaborative filter technique and a contextual approach: (i) The collaborative filter technique used only one file i.e., rating\_final.csv that comprises the user, item and rating attributes. (ii) The contextual approach generated the recommendations using the remaining eight data files.

The problem is to predict the rating of the restaurant.

Content

There are 9 data files and a README, and are grouped like this:

Restaurants

* 1 chefmozaccepts.csv
* 2 chefmozcuisine.csv
* 3 chefmozhours4.csv
* 4 chefmozparking.csv
* 5 geoplaces2.csv

Consumers

* 6 usercuisine.csv
* 7 userpayment.csv
* 8 userprofile.csv

User-Item-Rating

* 9 rating\_final.csv

More detailed file descriptions can also be found in the README:

* 1 chefmozaccepts.csv
  + Instances: 1314
  + Attributes: 2
  + placeID: Nominal
  + Rpayment: Nominal, 12
* 2 chefmozcuisine.csv
  + Instances: 916
  + Attributes: 2
  + placeID: Nominal
  + Rcuisine: Nominal, 59
* 3 chefmozhours4.csv
  + Instances: 2339
  + Attributes: 3
  + placeID: Nominal
  + hours: Nominal, Range:00:00-23:30
  + days: Nominal, 7
* 4 chefmozparking.csv
  + Instances: 702
  + Attributes: 2
  + placeID: Nominal
  + parking\_lot: Nominal, 7
* 5 geoplaces2.csv
  + Instances: 130
  + Attributes: 21
  + placeID: Nominal
  + latitude: Numeric
  + longitude: Numeric
  + the\_geom\_meter: Nominal (Geospatial)
  + name: Nominal
  + address: Nominal,Missing: 27
  + city: Nominal, Missing: 18
  + state: Nominal, Missing: 18
  + country: Nominal, Missing: 28
  + fax: Numeric, Missing: 130
  + zip: Nominal,Missing: 74
  + alcohol: Nominal, Values: 3
  + smoking\_area: Nominal, 5
  + dress\_code: Nominal, 3
  + accessibility: Nominal, 3
  + price: Nominal, 3
  + url: Nominal, Missing: 116
  + Rambience: Nominal, 2
  + franchise: Nominal, 2
  + area: Nominal, 2
  + other\_services: Nominal, 3
* 6 rating\_final.csv
  + Instances: 1161
  + Attributes: 5
  + userID: Nominal
  + placeID: Nominal
  + rating: Numeric, 3
  + food\_rating: Numeric, 3
  + service\_rating: Numeric, 3
* 7 usercuisine.csv
  + Instances: 330
  + Attributes: 2
  + userID: Nominal
  + Rcuisine: Nominal, 103
* 8 userpayment.csv
  + Instances: 177
  + Attributes: 2
  + userID: Nominal
  + Upayment: Nominal, 5
* 9 userprofile
  + Instances: 138
  + Attributes: 19
  + userID: Nominal
  + latitude: Numeric
  + longitude: Numeric
  + the\_geom\_meter: Nominal (Geospatial)
  + smoker: Nominal
  + drink\_level: Nominal, 3
  + dress\_preference:Nominal, 4
  + ambience: Nominal, 3
  + transport: Nominal, 3
  + marital\_status: Nominal, 3
  + hijos: Nominal, 3
  + birth\_year: Nominal
  + interest: Nominal, 5
  + personality: Nominal, 4
  + religion: Nominal, 5
  + activity: Nominal, 4
  + color: Nominal, 8
  + weight: Numeric
  + budget: Nominal, 3
  + height: Numeric