
Find your foodie-mate

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Our Goal!!

- We feel people often bond over food and are unaware of people who share same tastes. So we try to detect communities of common food preferences and with similar food tastes.
- We try to identify clusters consistently wherein users can identify people from their own list of friends and also find new food friends, who have a common taste of food.

How will we do?

Approaches

- Girvan Newman (GN) algorithm to identify groups, based on the density of in-group edges and between-group edges.
- Spectral clustering algorithm to identify and merge two communities with maximum possible value to global modularity.
- Density based clustering algorithm to allow users to be members of multiple clusters will ensure that users can be members of the multiple food communities.

What we use?

- We use the Yelp 2.0 dataset to form our network.
- Range of a location and dates.
- We use Yelp user, business, and review data and find similar ratings between users.
- We focus on the user provided data like Reviews, Ratings and checkins.

Timeline

- Data collection: 10/19/2015 - 10/28/2015
- Algorithm implementation: 10/29/2015 - 11/12/2015
- Graphs and ranking: 11/13/2015 - 11/27/2015
- Documentation: 11/28/2015 - 12/01/2015