

A Network Tour of Data Science

Project Proposal

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The main idea of these project proposals is that we would like to perform a classification about Beer or Movies, but we also wanted to have an original project. If no other group has the same idea, we could choose between the two of them. But if not, we would take the project that is not chosen yet.

Project 1 - Beer classification:

Using beer.db to get the data, the idea would be to collect all datas possible on beers and to perform classification. By choosing a type of beer, a country or a flavour, we would be able to find other kind of beer that might also pleases the person. Network analysis can also be done on different feature.

The idea of this classification is to build a map of the kinds of beers, thanks to different features we can find with beer.db. The user of this map could discover some other beers which are related (in terms of the features) to the ones that he appreciates, or explore other kind of beer that he is used to by taking ones that are not closely related.

Here is the list of the features on beer.db:

- Breweries
 - name
 - address
 - web
- Beer
 - name
 - percentage of alcohol
 - fermentation
 - colour
- Brand

Project 2 - Movie classification:

Using OMDb API to get the data, the idea would be to create a database of movie that a user might like based on specific features. OMDb API give access to the type of movie, principal actors, year of release. All those data would help the user to find the movies that fits himself. The idea is more or less the same as the beer classification but with other features, obviously.