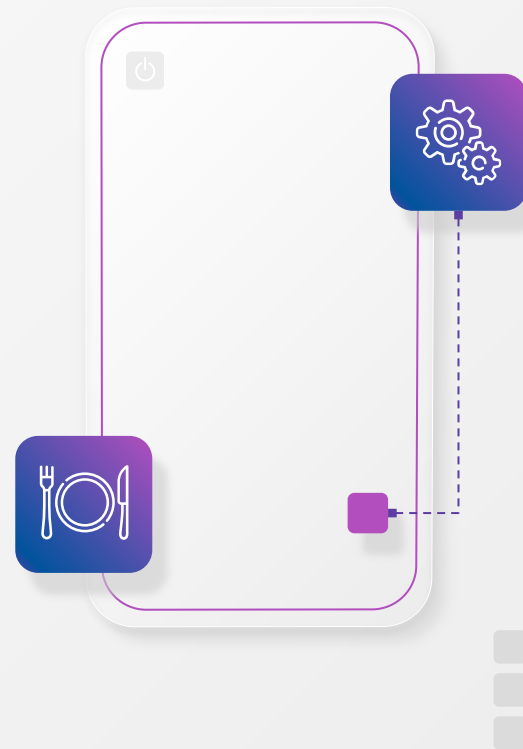# Restaurant Recommendation System
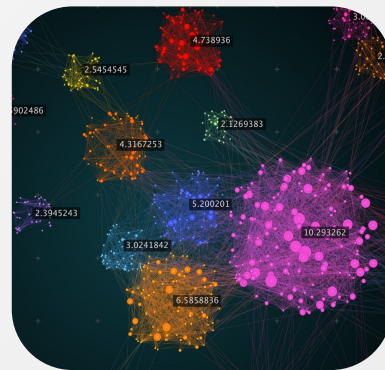
Daniil Abbruzzese

The Problem

Choosing which restaurant to eat at can be **overwhelming** due to the sheer amount of choices.

Googling "best restaurants in my city," yields too many **generic results.** This makes it difficult to discover new restaurants that I know I will like.

Solution

Using the **Yelp Open Dataset**, I plan to build a collaborative-based filtering recommendation system to deliver **personalized restaurant recommendations**.

I will cluster Yelpers based on their restaurant preferences across a city. Users of my product input their favorite restaurants and get assigned to a cluster.

Stretch Model

Hybrid model that incorporates **content-based** filtering into the recommendation system.

Users can filter for the **type of atmosphere** they want (Date night, birthday dinner, calm vs lively atmosphere, etc).

Can be achieved through conducting **NLP analysis** on text of reviews and generating tags associated with restaurant

Thank You