Capstone 2 - Milestone

Yelp Recommendation System By: Daniel Weissberger

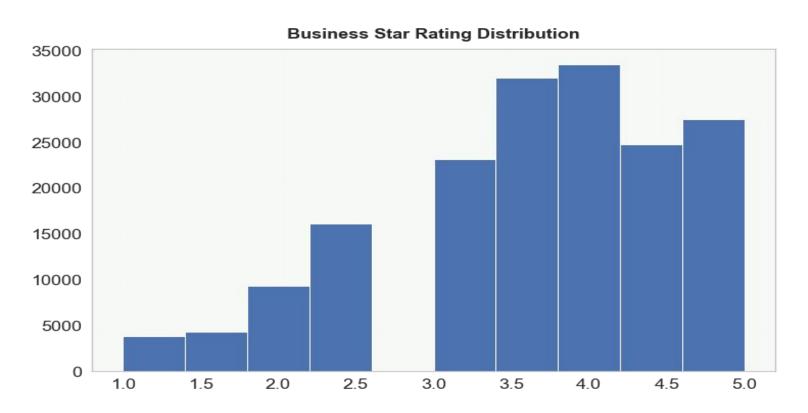
Data Wrangling

The following data files were provided in csv format:

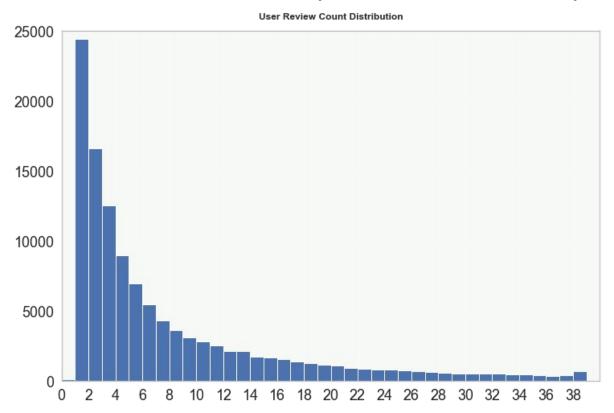
File Name	File Size
yelp_business.csv	31,017 KB
yelp_business_attributes.csv	40,408 KB
yelp_business_hours.csv	13,542 KB
yelp_checkin.csv	4,935 KB
yelp_review.csv	3.7 GB
yelp_tip.csv	144,614 KB
yelp_user.csv	1.3 GB

EDA

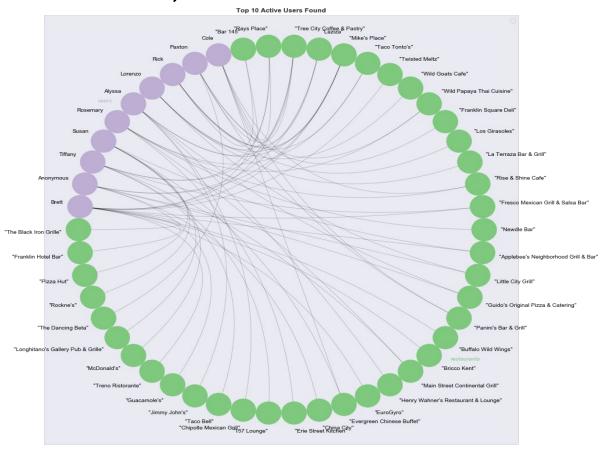
Let's take a look at the star rating distribution:



Review Count Distribution (EDA continued)



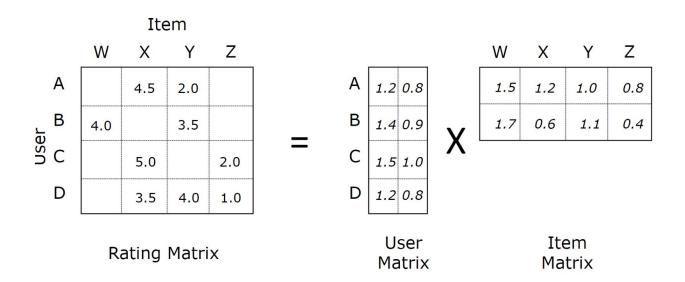
Circos Plot in Kent, Ohio



Recommendation System - Content Filtering Results

Accuracy	.526
Precision	.742
Recall	.546

Matrix Factorization - Explained



Matrix Factorization - Results

Accuracy	.719
Precision	.735
Recall	.952

