



User Restaurant Compatibility

Data Analytics & Modeling Examination

Objective

Given the following three tables, please develop a metric that measures each users' likelihood to redeem inKind credit at any given restaurant. By using variables such as restaurant attributes and user spend history, you should develop a mechanism to measure the fit of a given restaurant to a given user. Feature engineering creativity is encouraged, with output evaluated on implementability and interpretability.

Tables

- User Data
- Restaurant Data
- Redemption Transaction Ledger

Skills Evaluated

- Data Wrangling: Clean & explore the dataset.
- Data Modeling: Identify key variables and their relationships
- Actionable Recommendations: Explain business impact and generate recommendations

Deliverable

Please deliver a short, 5-10 minute presentation detailing:

- Modeling techniques used
- High level findings
- Recommendations and predicted impact
- Next steps

Note: All data is sampled and anonymized