Machine Learning Group Project Proposal:

Restaurant Revenue Prediction

Team Members (alphabetical order):

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1. Restaurant Revenue Prediction
2. The target is Revenue , the data is supervised
3. Csv
4. 137 (rows) x43 (columns)
5. Id : Restaurant id.
6. Open Date : opening date for a restaurant
7. City : City that the restaurant is in. Note that there are Unicode in the names.
8. City Group: Type of the city. Big cities, or Other.
9. Type: Type of the restaurant. FC: Food Court, IL: Inline, DT: Drive Thru, MB: Mobile
10. P1, P2 - P37: There are three categories of these obfuscated data. Demographic data are gathered from third party providers with GIS systems. These include population in any given area, age and gender distribution, development scales. Real estate data mainly relate to the m2 of the location, front facade of the location, car park availability. Commercial data mainly include the existence of points of interest including schools, banks, other QSR operators.
11. Revenue: The revenue column indicates a (transformed) revenue of the restaurant in a given year and is the target of predictive analysis. Please note that the values are transformed so they don't mean real dollar values.
12. This data set is taken from <https://www.kaggle.com/c/restaurant-revenue-prediction/data>
13. It is a competition data set : <https://www.kaggle.com/c/restaurant-revenue-prediction>
14. The “Revenue” is the target , we want to predict the revenue so that we can avoid opening a restaurant that would fail given the input information. We will implement different ML models