Team Project Proposal

Part 1. General Information

Name: Chen Chen

Project Title: NYC Community Recommendation System Based on Zip Code

Project Description: If you are a New Yorker, you mush meet the problem that which community you should chose to live, no matter you want to buy a house/apartment or rent a room. So we want to build a system or platform to help every New Yorkers. They just need input some basic information, our system will recommend some suitable communities to you which based on zip code. The system combines some important attributes together to weight a community, which includes house price, security and order, infrastructure, eating and drinking and entertainment. And if we have enough time, we will use .NET framework to build a website as the platform for this system. In that way, people can register as users and offer information to enrich our database. Then each New Yorker can contribute to this system.

Beneficial to the group: All New Yorkers

Part 2. General Data Source Information

Data Source 1	Trulia, Zillow, Realtor	MB
Data Source 2	NYC Crime Map	MB
Data Source 3	Yelp	GB
Data Source 4	Twitter	GB

Part 3. Detailed Data Source Information

Trulia, Zillow, Realtor	We can use API to get most real-time data for real estate price	Monthly
NYU Crime Map	We can get data about crime rate in NYU and the population in each area.	Yearly
Yelp	We can use API to get real-time data about restaurants, shopping malls, bars and other infrastructures.	Monthly
Twitter	We can use API to get the weight of each attribute based on people's tweets.	Daily