Proposal 1

Aim: Create a network of flights connecting different cities. Use price for a particular day as weights to find which is the cheapest flight from a defined source. The project can be made dynamic if the static version is successful.

Data: Flight data used during classes. As well as
- https://developers.google.com/qpx-express/v1/pricing (Not Free, only 50 queries a day are free)
- http://support.wan.travel/hc/en-us/articles/200300495-API-Overview (Not Free, allows 2 week free trial, but wants a click ratio of more than 5%)

Proposal 2

Aim: Create a network of cities in the US connected by railway/roads. Find which city is best connected by railway/roads and what is the best route between a source-destination city pair.

Data: Railway data is available is TIGER and ESRI websites. Available at

- https://catalog.data.gov/dataset/usgs-national-transportation-dataset-ntd-downloadable-data-collectionde7d2
- http://www.arcgis.com/home/item.html?id=bca2aa04ab424d8c98d471d2be62a48c

   Highway data is available at

- http://www.nws.noaa.gov/geodata/catalog/transportation/html/interst.htm

Group Members & Roles

Neil D'Souza: Data analysis
Nikhil Kishore: Data collection
Priya Khokher: Data cleaning
Sachin Verma: Data merging