**Progress Report:**

Datasets used for the project are

* yelp\_academic\_dataset\_business.json
* yelp\_academic\_dataset\_review.json
* yelp\_academic\_dataset\_tip

Scripting Language:

* Python

Library Files:

* JSON (for reading JSON files)
* Panda( for converting JSON file to CSV)

Tool:

* Rapid Miner

Task Complete:

* Number of reviews in the set.
* Average number of stars across the reviews in the set
* Maximum number of stars
* Maximum number of stars
* Minimum number of stars
* Number of reviews voted as ‘Cool’, ’Funny’, ’Useful’.
* Number of unique user logging these reviews.
* Number of positive reviews for a given business.

Tasks in progress:

* Number of business at a given location based on latitude and longitude (range of 1 km) and there sentiment score for given year or for given month.
* Developing a python tool for sentiment analysis .

Tasks to complete:

* Finding if the business has Wi-Fi, Parking and other amenities from reviews data and tips data.
* Providing sentiment analysis for all the business at a given location.
* Integrating the results with Google maps API.