**Business Information Prediction for Yelp Restaurants**

The deliverable of this project is a python implementation that can mine the reviews of a restaurant and predict the correct values for each entry in the "Business info" section", listed on the right side of the screen. For example: "Good For kids", "Good for large groups" etc.

Team 5: (Business Info Prediction)

- Restaurants from any city of Europe

At least 1000 restaurants, At least 30 reviews per restaurant

1. Run **YelpReviewScraper.py** file to create folder for each city containing folder for each restaurant HTML file. This will also create text file of reviews for each city.

* HTML Data Link: <https://drive.google.com/open?id=1oK57zlwLWlh0ydmh8bwNYpWBvdfnL5AN>

1. Run **reviewTransform.py** file to merge each city text file to train and test tab separated text file for prediction of business information.
2. Run **MultinomialNB.py** file to predict all Business Information using MultinomialNB Classifier and It will generate output file containing all accuracy.
3. Run **RandomForestClassifier.py** file to predict all Business Information using RandomForest Classifier and It will generate output file containing all accuracy.
4. Run **linearSVC.py** file to predict all Business Information using linearSVC Classifier and It will generate output file containing all accuracy.
5. Run **gridSearch.py** file to predict all Business Information using Grid Search Classifier and It will generate output file containing all accuracy.