**Project Title:** Inferring socio-economic inequity from restaurant review platforms

**Team Name:** Chomsky Chompers

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| **Team Member (NYU NetID)** | **Role** |
| Ana Sagalovitch (as9788) | Yelp Guru |
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**Urban Issue:**

Cities are often characterized by shocking income disparities. While urban centers draw the wealthiest people, they are also home to some of the poorest people. There exist vast amounts of data to track and understand the behaviors of the middle-upper class who use technology on a daily basis; however, data on low income populations are limited.

Using restaurant review platform data, we seek to infer information about where low income populations exists by examining where data are missing. We will combine this information with population counts and density to better understand where disparities exists and how socio-economic disparities can be visualized. By using data from multiple platforms, we can also ask questions about similarities and differences among countries.

**Road map:**

The project will take place in the following phases:

1. Project scoping
2. Data collection
3. Data cleaning
4. Visualization
5. Analysis
6. Summary and presentation

**Data collection strategies:**

We will select one city from each of the following data sources and collect data through the API or company-provided datasets:

1. Yelp (U.S. primarily)
2. Zomato (India)
3. DianPing (China)

Additionally, we will use open data available through national censuses and international organizations to enrich our understanding of our three target cities. These data will provide us with population and socio-economic information.

**Target audience**

We are addressing city governments who are interested in understanding how disparities exist spatially within their city. Our project also provides avenues for a city to compare their spatial representation to that of other cities globally. Restaurant review data may provide a different picture than other datasets. In addition, we will be submitting our work to the Yelp Dataset Challenge due December 31, 2015.