

CE 88
Homework 2
Due 2/16/2016 (2 weeks)

Problem 1. (2 points)

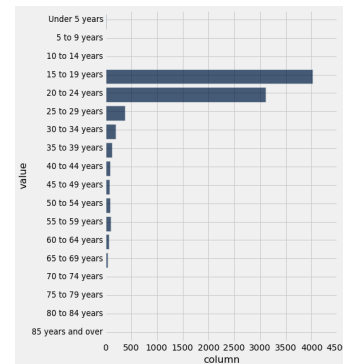
Yelp (www.yelp.com) collects and provides users with information about local businesses such as restaurants. It also provides an API¹ to access this information, including business locations, customer ratings and reviews written by users.

You are conducting a study for the Mayor's office of San Francisco with a goal to find out most popular dining areas in the city amongst tourists. Can you rely on the Yelp data to support your conclusions? What you should be aware of when using this data?

Problem 2. (8 points)

In Minilab 2, we looked into demographic data from the Census of population in the Bay Area, and found out that the age profile of population varies significantly across different areas.

Part 1. (3 points) Describe your approach to identifying **all** neighborhoods (census tracts) with predominantly young population that might be indicative of the large university nearby (that is, an unusually large proportion of residents within 15-19 or 20-24 years of age).



Part 2. (5 points) In a Jupiter notebook, implement your method of identifying census tracts with predominantly young population.

Your submission must be a PDF file that contains your answers to Problem 1, Problem 2.1, and contain the code you wrote for Problem 2.2. In addition to the PDF, you can also submit your original code as an ipynb file.

¹ <https://www.yelp.com/developers/documentation/v2/business>