**Team Members:**

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**What is the question?**

What factors correlate with variations in income in the top ten most populated cities in America among people with the same educational attainment? Is there a bias towards certain demographics?

**Factors to test:** gender, race, foreign/US born

**Why is this question important?**

“Title VII of the Civil Rights Act of 1964 (42 U.S.C. 2000e and following) prohibits employers from discriminating against applicants and employees on the basis of race, color, religion, sex, and national origin (including membership in a Native American tribe).”

https://www.nolo.com/legal-encyclopedia/federal-antidiscrimination-laws-29451.html

**What data is important?**

IPUMS census data

https://usa.ipums.org/usa/

**What outcomes can be expected?**

Certain demographics in society will have higher income levels with similar educational attainment as compared to others, in the cities we test.

**Individual roles of each member**

Baoling: Preliminary conceptualization of possible factors impacting income disparity and analysis model selection.

Shreya: Data cleaning and analysis

Gerardo: Data visualization and analysis

Ilha: Literature review, data collecting and analysis

Marium: Context, theoretical background and implications of the results

**Open data source data sets:**

ACS 2015 (5 years) -- fetched through IPUMS

**Methods:**

Linear regression

Kolmogorov–Smirnov test