The Most Affordable Destinations for Data Scientists

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1/10/20

Overview

TOOLS

EC2 Web scraper

BeautifulSoup parser

Postgres SQL

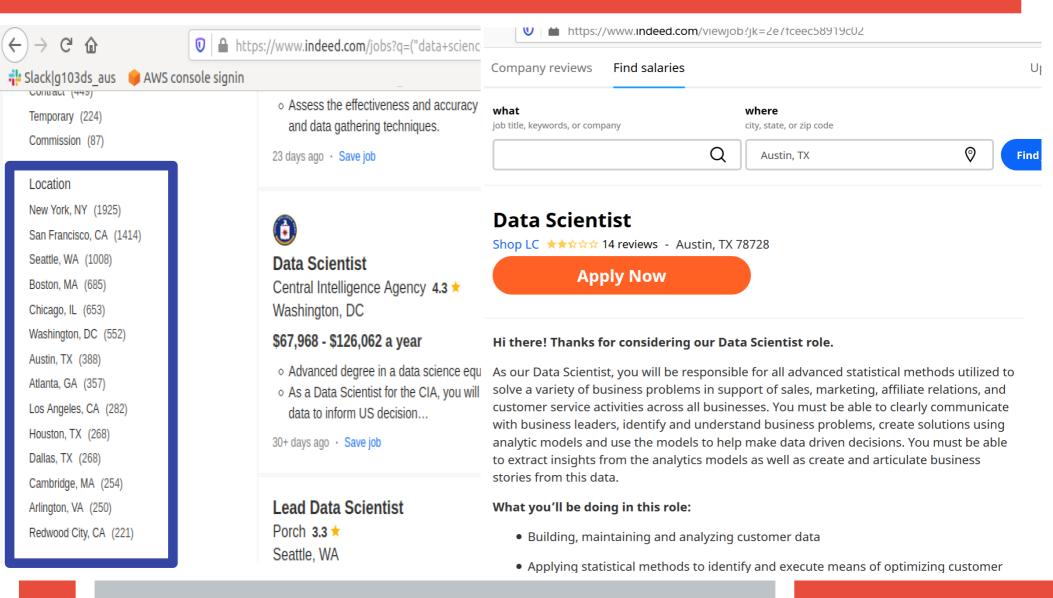
Python matplot stats

DATA

indeed.com

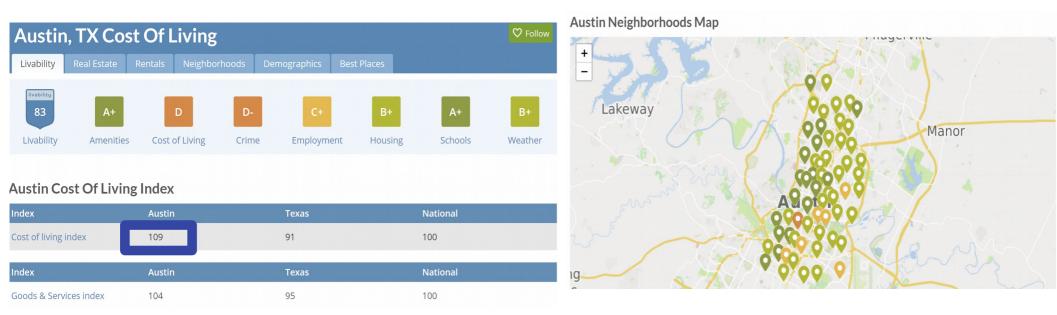
areavibes.com

Data source: Popular Cities on Indeed



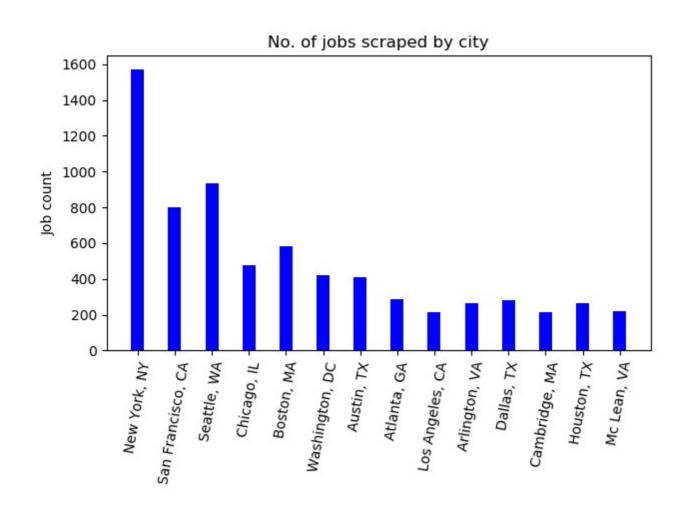
Data source: Living Cost on Areavibes

What's considered: groceries, housing, utilities, transportation, goods & services and health care What's not considered: housing price, tax,

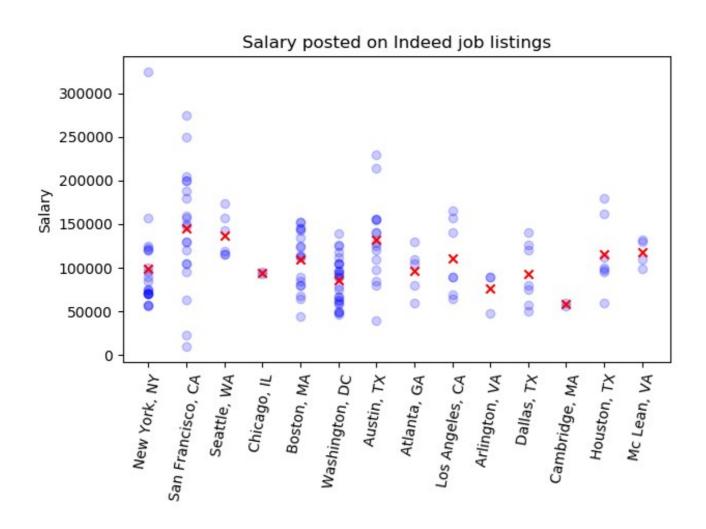


Source: The Austin, TX cost of living data displayed above is derived from the Council for Community and Economic Research (C2ER) for 2019.

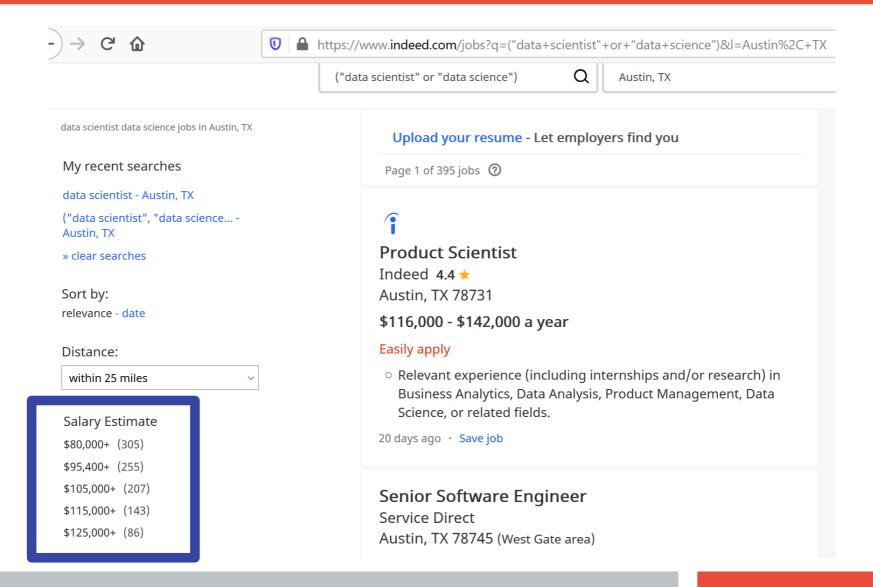
Data source: Indeed Job Listing



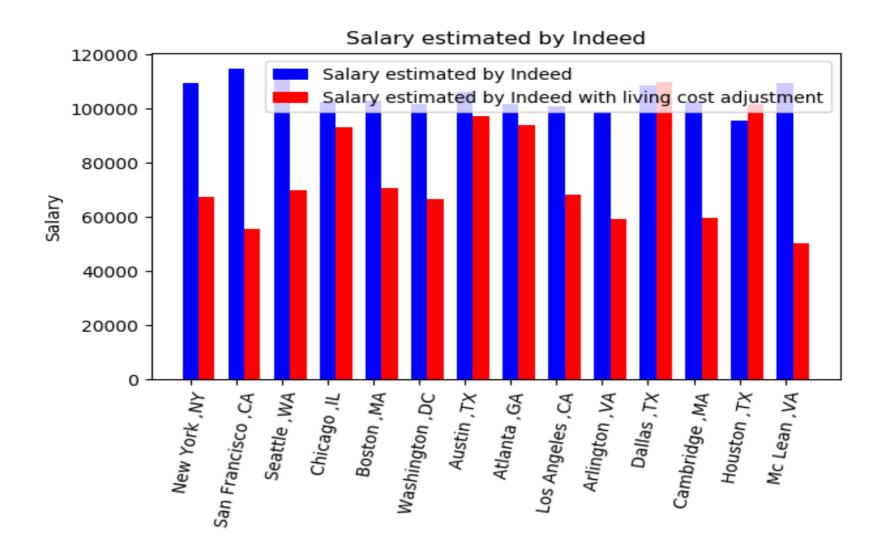
Challenge: Sparse Data



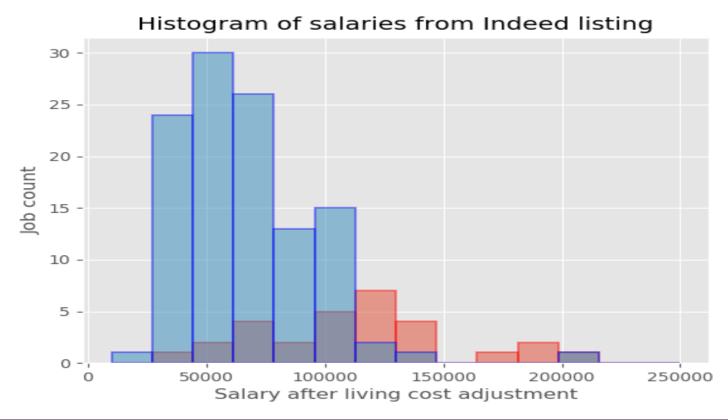
Additional source: Indeed



EDA: Combining Salary and Living Cost



Hypothesis testing: TX vs Outside



ttest_ind: t = 5.71367 p = 1.97862e-06

One tail test p value = 1.97862e-06/2 = 9.8931e-7

Conclusion and future study

Conclusion:

Popular destinations for data scientists in Texas are more affordable than those outside Texas.

Future study:

- 1) Consider other factors like weather, crime, amenities and etc.
- 2) Analyzing the detailed description to find correlation within and between qualifications and the types of industries.