RUTGERS BOOTCAMP PROJECT (TTH)

Project Title: Best Cities to Live in for Data Analysts

TEAM MaFaFraBa (the !=unemployables):
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Project Description:
A job market analysis that focuses on the best cities to find data jobs.

Questions:
What cities have the highest current availability of data jobs?
What city has the highest cost-of-living to data occupation income ratio?
What city has the widest health care coverage?

Discover the top five cities to live in based on (potentially):
Job market
- Current availability of data jobs
- Projected job growth in that sector
- Average education level of people who generally work these jobs
- Reported work/life balance

Cost of living
- Tax rates
- Rent/Property value

Well-being
- Crime levels
- Weather
- Suicide rate
- Mental Health Benefits
- Good food systems
- Night life

Datasets:
http://opensource.indeedeng.io/api-documentation/docs/job-search/
Indeed API
(potentially) GlassDoor and LinkedIn
Bureau of Labor and Statistics
US Census Bureau

ROUGH BREAKDOWN OF TASKS:
Data exploration and clean up (Jupyter notebook #1)
Data analysis (Jupyter notebook #2)
Data visualizations (6 - 8)*at least two per question (Jupyter notebook #3)
Write-up of major findings (see ‘PRESENTATION REQUIREMENTS’ below)

The questions you and your group found interesting, and what motivated you to answer them
Where and how you found the data you used to answer these questions

The data exploration and cleanup process (accompanied by your Jupyter Notebook)

The analysis process (accompanied by your Jupyter Notebook)

Your conclusions. This should include a numerical summary as well as visualizations of that summary

Discuss the implications of your findings. This is where you get to have an open-ended discussion about what your findings "mean".

Presentation compilation (see ‘D’) - 10 minutes