10/15/24  
Project 1 Overview - Group 2

| **Team Name:** | Data\_Slack{ers}=False |
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| **Project Title:** | Where are we going to live next?: A 10 city analysis to find the most desirable city to live in |
| **Team Members:** | Ben Schatz | Sean Daily | Vraj Patel | Ashley Cooper |
| **Git Repo Link:** | https://github.com/benschatz97/group\_project\_1.git |
| **Git set up by:** | Ben Schatz **Collaborators:** Sean Daily | Vraj Patel | Ashley Cooper |
| **Datasets used:** | Cost of Living in the US - total cost of living for housing cost,food, transit, childcare taxes and other necessities Crime Rate for Each City - major crime rate for each city  Urban Connectivity - includes the city walk score, transit score and bike score Population Growth - population growth of the city from 2020-2024 |
| **Dataset links:** | [Cost of Living in the US (kaggle.com)](https://www.kaggle.com/datasets/wayneitprohatter/cost-of-living-in-the-us) [United States Crime Rates By City Population (kaggle.com)](https://www.kaggle.com/datasets/kabhishm/united-states-crime-rates-by-city-population?select=crime_250_plus.csv) [US Cities Urban Connectivity (kaggle.com)](https://www.kaggle.com/datasets/vellis1/us-cities-urban-connectivity) [Population of all US Cities 2024 (kaggle.com)](https://www.kaggle.com/datasets/dataanalyst001/population-of-all-us-cities-2024) |

| **Hypothesis:** Nashville is the most desired city to live in based on its ranking for cost of living, crime rate and urban connectivity.  **10 Cities Analyzed**: Atlanta, Austin, Boston, Chicago, Denver, Los Angeles, Nashville, New York, San Diego and Tampa |
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| **Questions:**  **​​** 1.) As the population increases in the city does the major crime rate increase for the city?  2.) As the population increases in the city does the walk score for the city increase?  3.) As the population increases in the city does transit score decrease for the city?  4.) As the population increases in the city does the bike score increase for the city?  5.) As the population increases in the city does the housing cost grow for the city?  6.) As the population increases in the city does the total cost of living increase for the city? |
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| **Data cleaning -** Ben, Sean, Vraj, Ashley Cost of Living in the US - Ashley  Crime Rate for Each City - Sean  Urban Connectivity - Ben  Population Growth - Vraj  **Analysis Summary (bar charts, regression analysis) -** Ben, Sean, Vraj, Ashley  **Analysis Summary -** Ben, Sean, Vraj, Ashley  **Presentation -** Ben, Sean, Vraj, Ashley |
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