Project 3 Proposal

Group Members:

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Our group has chosen the path of Data Engineering. The industry we have selected is Leisure & Travel.

**Objective:**

Explore the most populated cities of the US ranked by the top 5 and bottom 5 affluent States through the lens of household spending.

We will answer the below questions:

1. *What are my food options based on Yelp ratings?*
2. *What will the weather be when I am traveling?*

**Vision:**

Our vision is that the result of our database design will be useful for future users to access and plan their very own vacation and leveraging the table views from sql to create stimulating visualizations and have informative conversations.

**Lets talk Data:**

In selecting the cities for visit we will be sourcing census.gov to gather demographic and economic data by state, consumer expenditures per household on entertainment, recreation and outside dining. This will provide us with the top 5 and bottom 5 States and then selecting the most populated City within those States.

We will then leverage the Yelp Fusion API, Open Weather Map API and Visual Crossing to gather additional insights in planning a vacation.

Our data collection from Yelp will give us optionality of ratings as to where to eat utilizing the rating and pricing scale. Weather API & Visual Crossing will give us insight on the type of weather the traveler will encounter so they can plan accordingly on what type of clothing they should pack and what type of weather they will experience.