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Data Analytics Proposal

Introduction

There are a lot of factors to consider when visiting a new city. A place to stay is at the top of the list, but the safety of the surrounding area is also an important consideration. With Airbnb prices on the rise, an affordable location may seem enticing, but does the price reflect how safe the surrounding area is? San Diego is a prime spot to visit, and our objective is to provide visitors with the information needed to make data backed decisions on where to stay based on price and safety.

Datasets

We'll use data from various sources. For example:

-https://tims.berkeley.edu/tools/query/summary.php

-https://public.opendatasoft.com/explore/dataset/airbnb-listings/export/?flg=en-us&disjunctive.host_verifications&disjunctive.amenities&disjunctive.features&refine.city=San+Diego&refine.room_type=Entire+home%2Fapt&refine.host_response_time=within+an+hour&refine.host_response_rate=100&refine.property_type=House

-https://opendata.sandag.org/stories/s/ARJIS-Crime-Statistics-Portal-CTR/d68e-mi6t/

-https://www.city-data.com/accidents/acc-San-Diego-California.html

Project Topics

1. Airbnb
   - Comparison of Airbnb prices and locations to vehicle accidents and crime rate in the surrounding area

2. Crime Reports
   - Assess the types of crime being reported in the area and how frequent

3. Road Safety
   - Analyze vehicle accidents in the surrounding area

Visualizations Examples