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Data Analytics Proposal

Introduction

Our project follows the transportation system of San Diego. Ranging from privately owned vehicles to public transportation, our objective is to provide information to make data driven choices for safer travel. Imagine: You've recently relocated to San Diego and need to decide on the best transportation options. Our visualization will provide a clear map of San Diego and some modes of transportation routes and its safety. With an interactive map, we hope to show different public transportation stops and provide a visualization of collisions involving these types of vehicles.

Datasets

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

- <https://data.sandiego.gov/datasets/?category=transportation>
- <https://data.bts.gov/Research-and-Statistics/County-Transportation-Profiles/qdmf-cxm3>
- <https://hubsandiego-ucsdonline.hub.arcgis.com/datasets/public-transit-routes-san-diego-county/explore>
- <https://www.city-data.com/accidents/acc-San-Diego-California.html>

Project Topics

1. Public Transportation
 - Comparison of public transportation vs. private transportation
2. Analyzing Transportation Routes
 - Assess the best transportation option
3. Road Safety
 - Analyze public transport use and collision data for accident hotspots

Visualizations Examples

