Project Proposal – Group Green

Border Crossing Data for US (2009 – 2018)

Team Members

Lynn Hoang

Sara Parveen

Set Z.

Project Description/ Outline

This project analyzes a dataset of border crossing data for the United States between the years 2009 to 2018.

Research Questions

1. What's the busiest border for the US?
2. Which are the top 5 busiest ports between US and Canada?
3. Which are the top 5 busiest ports between US and Mexico?
4. Which are the top three busiest states between US and Canada?
5. Which are the top 3 busiest states across US-Mexico border?
6. Which vehicle types are used the most?
7. Which months are the busiest on US borders?
8. Do weather conditions impact the border crossing traffic volume?

Data Sources

Kaggle – Border Crossing Entry Data
(https://www.kaggle.com/datasets/akhilv11/border-crossing-entry-data)

OpenWeatherMap API (https://openweathermap.org/api/history-api-timestamp)

Rough Breakdown of Tasks

Project Idea – all team members together

Data Cleaning – all team members together

Deciding on the theme for visualizations – all team members together

Data Analysis (for each research question) – all team members together

Written report – each team member individually on the delegated part

Presentation – each team member individually on the delegated part

Updating Readme – all team members together