**Project #3 Proposal**

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Type of API: single origin API

Topic: Road conditions based on weather conditions in different states. We thought it would be interesting and informative to create interactive visualizations to show how weather conditions affect road conditions in different states.

API data: The API provides weather data with national alerts according to latitude, longitude, and time. The API returns air temperature, wind, precipitation, visibility, pressure, humidity, and dew point. It also provides road surface temperature and road state for US territories, as well as national alerts.

URL: https://openweathermap.org/api/road-risk

Type of dataset: PostgreSQL

Back end: We decided to create our project using web scraping and Leaflet or Plotly

Visualizations:

* Heat map for temperature by state
* Bar chart for wind speed by state and date
* Dropdown menu for state and road state

A picture containing text

Description automatically generated