*Project Goals*

The goal of this project was to receive some insight on the traffic conditions in Ann Arbor, and how they correlate with the weather conditions. Using OpenWeather API and TomTom API, we hope to use our newfound Python skills to gather data from the APIs, and create databases in SQLite3, and edit those databases. We will hopefully get information on live traffic data and incident data and see how the weather conditions (temperature and descriptions) influence that data. Once we have gathered this data, we hope to use Matplotlib to create graphs of the yearly weather in Michigan, the yearly incident data in Michigan, and then a graph showing the correlation between the two.

*Achieved Goals*

Unfortunately, we were not able to use the incident data API from TomTom, nor could we get the previous year’s weather or traffic data. Instead, we pivoted our project to get data from 12-04 to 12-11, on live traffic and weather data. We were able to collect information on how the average traffic speed varies during different kinds of weather conditions (temperature and descriptions) and how the confidence of the traffic conditions varies based on the weather conditions. We also hope to calculate the averages from all of our data (confidence, weather descriptions, temperature, and traffic speed to better understand the conditions on any given day.

1. The goals that were achieved
2. The problems you faced

Had to convert datetime to the same format

Had to convert the coordinates from x to y

1. Your file that contains the calculations from the data in the database
2. The visualization that you created
3. Instructions for running your code
4. Documentation for each function you wrote. This includes the input and output for each function.
5. Documentation of all resources that were used

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| **Date** | **Issue Description** | **Location of Resource** | **Result (did it solve the issue)?** |
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