CWRU Data Analytics Boot Camp

Spring 2020

Project Proposal

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Impact of Weather on US Traffic Accidents

**Background**

This is a visualization project. The hopes of this project are to visually display the impact of weather conditions on US Traffic Accidents using two available data sets from Kaggle.

**Proposed Work**

Extract: We plan to use the following datasets of US accidents and weather data from Kaggle.

* US Accidents - (Kaggle) - <https://www.kaggle.com/sobhanmoosavi/us-accidents>
* Historical Hourly Weather Data -(Kaggle) - <https://www.kaggle.com/selfishgene/historical-hourly-weather-data>

Transform: Connect data for date range between February 2016 and December 2017. This is the date overlap of the data sets indicated above.

Load: Load data into database.

**Who Does What**

1. Finding Data Source - Team – May 26
2. Cleaning up the data - Frankie
3. Transforming the data - Frankie
4. Loading the data -
5. Set up landing page – Debra
6. Set up index.html and style.css - Debra
7. Set up visualizations – Randy
8. Generate icons and load test data - Randy
9. Set up web server -

Daily Scrum to ensure project is on track : Google Hangouts or Slack every day to note any trouble.