# Electric Vehicle Car Charging Map Application

#### **Overview:**

We will create an interactive web application that will show electric car charging stations on a map across the US. The user will be able to filter the stations visible by what's available at each station.

#### **Data:**

The application will fetch data from a MongoDB that we will set up ourselves using data obtained from the [US Department of Energy website](https://afdc.energy.gov/).

The citation for our data will be from the following pages:

<https://afdc.energy.gov/fuels/electricity-locations#/find/nearest?country=US&fuel=ELEC&ev_levels=all>

1. Select Option: Public Stations
2. Select Region: United States (*excluding Canada*)

#### **Visualizations:**

The unique views we will explore will include mapping all electric chargers with markers that include station information, a heatmap to see overall concentration of stations, a cost comparison of charging based on station type/location, and new stations built over time per state.

#### **Milestones:**

Database completed: Tuesday, January 28th

Visualizations completed: Thursday, January 30th

Presentation completed: Monday, February 3rd