**Population of Electrics Cars in the United States of America, Australia**

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**Project Description:** We will explore datasets to identify insights regarding the population of electric vehicles such as the most popular brands of electric cars and the regions within Washington, USA and South Australia that have the highest population of electric cars.

**Research Questions:**

1. How has the adoption of electric vehicles changed over time in South Australia (e.g. the last 10 years)? Can we project how this trend will continue?
2. How has the adoption of electric vehicles changed over time in Washington (e.g. the last 3 years)? Can we project how this trend will continue? Is this trend similar to South Australia?
3. What brand of electric car is most popular in each county of Washington?
4. What regions of Washington have the highest populations of electric cars?

**Dataset/s to use:**

* Electric Vehicle Population data in Washington (source: Data.Gov)
* Electric Vehicle Population Size History by County in Washington (from 2017 to 2021) (source: Data.Gov)
* Registered Vehicles by Body Type in South Australia (from 2010 to Q3 2021) (source: Data.SA.Gov)
* Electric Vehicle Dataset (outlines information for numerous models of electric vehicles) (source: Kaggle)

**Rough Breakdown of Tasks:**

* Use Pandas to clean and format dataset for use in analysis
* Explore dataset and develop insights
* Use Matplotlib to develop visualisations of data
* Use GMaps module to develop geographical visualisations of data
* Create write-up to summarise key findings
* Develop presentation to present on analysis process and key findings