**Title: How Have Electric Vehicles Affected The Car Market Over The Past Decade?**

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**Project Description/Outline:**

Over the past 10 years, the rise of EVs have reshaped the global car market. EVs have brought many changes across the auto industry, and we will analyze the impact EVs have had by examining factors such as prices of EVs and their raw materials, market shares, their global sales, and emissions. We want to see how they’ve transformed the industry and identify trends across the regions and different vehicle types.

**Research Questions to Answer:**

1. How have EV, and all other vehicle types, market shares changed in the past decade? (need data for all other vehicle types or we can use Justin’s)
2. How do EV sales compare across different countries? (US, Europe, Asia)?
3. Have emissions per vehicle changed because of the increase in EV sales? (examine IEA data)
4. How have the growth of charging infrastructures across different countries correlated with the increase in EV adoption (how many EV sales the country saw in Justin’s data)?
   1. And/or Which countries have invested more in FAST charging infrastructures, did they see higher EV sales growth?
5. How do EV sales trends compare between countries that have strong incentives (ex. Ambitions/tax credits on Jennifers data) versus those with no incentives?
6. Have countries with more EV incentives seen more reductions in emissions?
7. Is there a correlation between EV incentives and how many charging infrastructures there are in different countries?

**Datasets to Be Used:**

* **IEA**
* **In Slack Groupchat**
* **EV prices over time , vehicle market sales, ev vs ice coming from the kelly blue book**

**Breakdown of Tasks:**

Paul : EVs what really happens is the pollution is only real when the source of that electricity is direct electric voltage. Most grids are connected to major fossil fuels, you get long range for EVs but the density for the batteries are lower for fuel. Using more carbon for ev vehicles and powering them. Moving away from the grid isn’t happening?

Has electric vehicles had an effect on pollution? Null hypothesis, something that stays the same. Loosening of restrictions and change of policy, this doesn’t seem to be working, we’re increasing the price of vehicles and messing with the affordability