



Will the US Get Rid of Fossil Fuel Cars in the End?

Han Wang & Xin Wang
CPSC547 Pitches
28/09/2022

Why interested and Why Important

Ukraine conflict: Petrol at fresh record as oil and gas prices soar

🕒 7 March · 💬 Comments



Russia-Ukraine war



GETTY IMAGES

Petrol prices have hit another record high as oil and gas costs soar amid fears of a global economic shock from Russia's invasion of Ukraine.

Oil jumped to \$139 a barrel at one point, the highest level for almost 14 years, while wholesale gas prices for next-day delivery more than doubled.

Climate change: Scientists fear car surge will see CO2 rebound

By Matt McGrath
Environment correspondent

🕒 19 May 2020 · 💬 Comments



More Than Half of US Car Sales Will Be Electric by 2030

Biden's climate spending is set to kickstart the market for EVs, according to a new forecast from BloombergNEF.



Why interested and Why Important

- Climate changes gradually influence human life and environment
- Energy Price (esp. Gasoline Price) solar up caused by wars and geopolitics
- (Hybrid) Electrical vehicle gains more market share



Why: Focused Question

- How many AFV (Alternative Fuel Vehicle) and HEV (Hybrid Electric Vehicle) are sold in the US?
- Can we find a trend in the sales history of these vehicles?
- What are the possible reason for US people to gradually switching to AFVs and HEVs?
 - **Fossil Fuel Price**
 - **Fossil Fuel Usage -> Environment Damages**
 - **Charging infrastructure**



What: Our Data Source

- Interesting data set we gathered from official website:
<https://afdc.energy.gov/data>
 - Average Retail Fuel Price in the United States:
<https://afdc.energy.gov/data/10326>
 - AFV and HEV Model Offering by Manufactures:
<https://afdc.energy.gov/data/10304>
 - Electric Vehicle Registrations by State:
<https://afdc.energy.gov/data/10962>



How: Our Approach

- Present the Vis in the format of HTML
- Utilize JavaScript library suitable for visualization
(Chart JS, D3 JS etc.)



Thank you