

PROJECT PROPOSAL

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ENGR 690 – Independent Study

California bans the sale of new gas-powered cars by 2035

- California, the country's most populous state and the center of U.S. car culture, is banning the sale of new gasoline-powered vehicles starting in 2035, marking a historic step in the state's battle against climate change.
- The rule will force automakers to speed up production of cleaner vehicles beginning in 2026.
- The policy will not ban people from owning and driving conventional vehicles or from selling them on the used market.

So, by taking this proposal in mind and what should California Government do regarding this proposal, I am planning to create a Data Analysis project which will enable the government think about the decision of implementing this rule in the state.

Key points about the project

1. I will collect the data from different automobile manufacturing companies about the production of EV and Non-EV cars.
2. The data will be collected in sheets, which will get extracted and cleaned in a systematic manner by using **Microsoft Excel** and **My SQL**.
3. Then by the detailed analysis by formatting and manipulating the data by using **Python**, we will get our result data.
4. Data insights will be visualized by using data visualization tools such as **Tableau** or **Microsoft Power Bi**. At this stage we will get the user-friendly dashboard which will enable us to have a detailed look on this proposal.

End Results after creating the user-friendly dashboard

1. By completing this project, we will get dashboard which will shows us the insights of the sales and purchase comparisons of EV and Non-EV cars in California which will give the detailed look of market to the government.
2. We will also investigate the cost analysis of the construction of the new project's plants of manufacturing and is it worth it or not for the government to go with this project.
3. We will also analysis the data of current California GDP and look after the average salary of any California resident and can they afford the new EV car or not.
4. In the end, the government will get to know all the insights regarding this project, and they can decide whether they should go ahead with this proposal or not.
5. I am also planning to make a dashboard for the California residents which will help them to compare the prices of EV and Non-EV cars so that it will help them to choose which automobile they should buy if this project proposal gets implemented in later future.