## MILES AND EMISSIONS:



## How cars contribute to CO, levels





The code is available and





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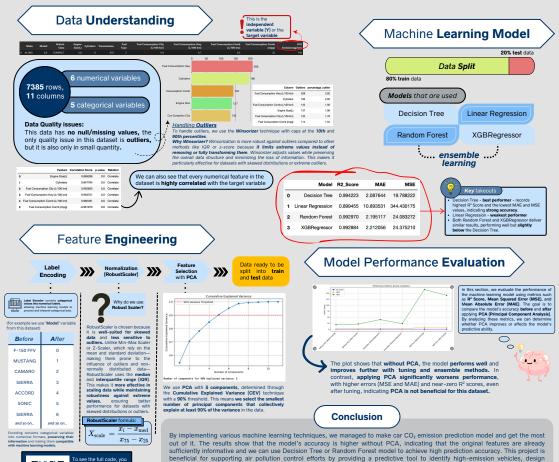
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## Intro: What is this about?

As we all know, air pollution has become a significant global challenge in this modern era. Vehicular carbon dioxide  $(CO_2)$  emissions has become one of the major contributor to the polluted air condition. So by this project, we are aiming to create vehicular  $CO_2$  emission prediction based on vehicle characteristics and behaviors by implementing machine learning techniques. The dataset is obtained from Kaggle. The dataset comprises car characteristics, fuel consumption behavior, and the target variable, carbon dioxide emissions (g/km). Since the target variable in this dataset is continuous, we employ regression machine learning models for prediction. The ultimate goal of this project is to contribute to the identification of carbon dioxide emissions produced by cars, providing valuable insights that can support efforts to reduce environmental impact.



strategies to reduce emissions, and support data-driven policy development. By leveraging machine learning technology, this project contributes to creating more efficient, data-based solutions to improve air quality and promote environmental sustainability.