

TIL6022 Project Proposal

Group 14

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Objective:

The objective of this research is to investigate how the growing share of non-emission passenger vehicles has influenced the net CO2 footprint of EU member states over the past decade. As the climate crisis continues to worsen, understanding the role that non-emission vehicles play in reducing CO2 emissions is more important than ever. This research project aims to explore the connection between the increasing adoption of these vehicles and changes in CO2 emissions across different countries in the EU. This way, we intend to provide valuable insights to those who are working to create cleaner and more sustainable transportation solutions in the European Union.

Research Questions:

To what extent does the share of non-emission passenger vehicles affect the net CO2 footprint per EU country over the past decade?

- What is the growth trend of zero-emission passenger vehicles (ZEVs) and petrol powered passenger vehicles in each EU country over the past decade?
 - Database: 1, 3
- Which EU countries have the highest/lowest CO2 emissions in relation to their percentage of non-emission passenger vehicles over the past decade?
 - Database: 1, 2
- Are there any regional trends within specific EU countries regarding the adoption of non-emission passenger vehicles over the past decade?

Database: 2, 3

Databases (eurostat):

1. [Net greenhouse gas emissions](#)
 - a. https://ec.europa.eu/eurostat/databrowser/view/sdg_13_10/default/table?lang=en&category=t_env.t_env_air
2. [Passenger cars, by type of motor energy](#)

- a. https://ec.europa.eu/eurostat/databrowser/view/road_eqs_carpda_custom_13067669/default/table?lang=en
- 3. [Stock of zero-emission vehicles at 31st December by type of vehicle and type of motor energy](#)
 - a. https://ec.europa.eu/eurostat/databrowser/view/road_eqs_zev/default/table?lang=en&category=road.road_eqs