

# Project\_Proposal\_group27

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## 1 Project Group - Group 27

Members: 1. Furtsev, Yehor 2. Kaczmarek, Piotr 3. Liao, Ximeng 4. Ruland, Joshua 5. Vaartjes, Hugo

Student numbers:

## 2 Research Objective

*Requires data modeling and quantitative research in Transport, Infrastructure & Logistics*

After an extensive discussion about the objective of the research and formulated it as follows:

**Obtaining insights into the potential difference of greenhouse gasses emitted by motor vehicle drivers on Dutch roads into the atmosphere caused by Covid-19 lockdowns 2019-2021.**

We also have thought about a less direct formulation of the objective and would love to hear your response on its applicability since it is less strict:

**What was the effect of COVID-19 on emissions of motor vehicles on Dutch roads?**

## 3 Contribution Statement

*Be specific. Some of the tasks can be coding (expect everyone to do this), background research, conceptualisation, visualisation, data analysis, data modelling*

**Author 1:**

**Author 2:**

**Author 3:**

## 4 Data that we think will be Used

Covid data RIVM: <https://data.rivm.nl/covid-19/>

Motor vehicle fleet in the netherlands: <https://opendata.cbs.nl/statline/#!/CBS/nl/dataset/7374hvv/table?ts=166>

Traffic performance motor vehicles; kilometers, vehicle type, territory  
<https://opendata.cbs.nl/statline/#/CBS/nl/dataset/80302ned/table?ts=1664960524599>

Google mobility <https://www.google.com/covid19/mobility/>

Emissions into the air in NL <https://opendata.cbs.nl/statline/#/CBS/nl/dataset/84735NED/table?ts=1664960857>

## **5 Data Used**

## **6 Data Pipeline**