Project Group 19

Members:

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Research Objective

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

'How do the recent fluctuations in fossil fuel costs change the reason/destinations/objectives for travel of people in the Netherlands in 2022?'

mode choice

amount of travel trips to different locations

Contribution Statement

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

Everybody will help with all the tasks during the assignment. After the approval of the research objective, we can specify this more. Coding will be done by the four of us. We all want to understand the model. We will split up the group sometimes to be more efficient. The background research will be done by two groupmembers while the other two are focussing on the begin of the conceptualisation. The visualisation and the data-analysis will be done by the members who are the most experienced with coding in Python. The other two groupmembers will focus more on the data analysis. In this way our time is spent more efficiently and we all know how the model will work.

Data Used

For the pump prices for motor fuels at petrol stations: https://opendata.cbs.nl/statline/portal.html?_la=en&_catalog=CBS&tableId=80416ENG&_theme=1127

For the average distance travelled per trip, average time travelled per trip modes of travel and trip charateristics: https://opendata.cbs.nl/statline/portal.html?_la=en&_catalog=CBS&tableId=84711ENG&_theme=1159

For a more specific place where the people goes to: https://www.google.com/covid19/mobility/

For the distance travelled per trip, time travelled per trip trip characteristics, modes of travel and regions mobility of people: https://opendata.cbs.nl/statline/portal.html?_la=en&_catalog=CBS&tableId=85056ENG&_theme=1159

Data Pipeline

We started searching for data. After we found useful data, we had to select and remove some of the data to make it fit into our scope. We wanted the amount of trips from "hier wat je prcies hebt verwijderd en wat de scope is geworden"

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