Research Proposal Group 1 - TIL Programming - TIL6022

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This research proposal is made for the TIL Programming TIL6022 course project. We focus on an application project on mobility trends using open-source data, making this a societal project. We were inspired by the current discussions on introducing rush hour tax for train tickets in the Netherlands (source: NS wil voorstel spitsheffing beperken tot €2,50 per rit (businessinsider.nl)).

Research Question: “Can we predict mode choice behavior based on person characteristics?

To answer this research question we will do some data processing, quantitative analysis and visualize our results.

Data:
The data is obtained from CBS (Central Bureau for Statistics Netherlands) that includes mobility trends and travel motives of individuals.

Dataset used:
StatLine - Mobiliteit; per persoon, persoonskenmerken, vervoerwijzen en regio's (cbs.nl)

Other datasets that might be interesting:

- StatLine - Mobiliteit; per persoon, persoonskenmerken, motieven en regio's (cbs.nl)
- StatLine - Mobiliteit; per persoon, verplaatsingskenmerken, reismotieven, regio's (cbs.nl)
- StatLine - Mobiliteit; per persoon, verplaatsingskenmerken, vervoerwijzen en regio's (cbs.nl)
- StatLine - Mobiliteit; per persoon, vervoerwijzen, motieven, regio's (cbs.nl)

Scale limitations:

- Geographical boundary: The Netherlands
- Travel mode: trains, cars and bikes
- Time scale: Data since 2018
- People from 18 years and older