



Data collection for City and Subnational Statistics (DaCiMob)

NPSO Innovatiedag

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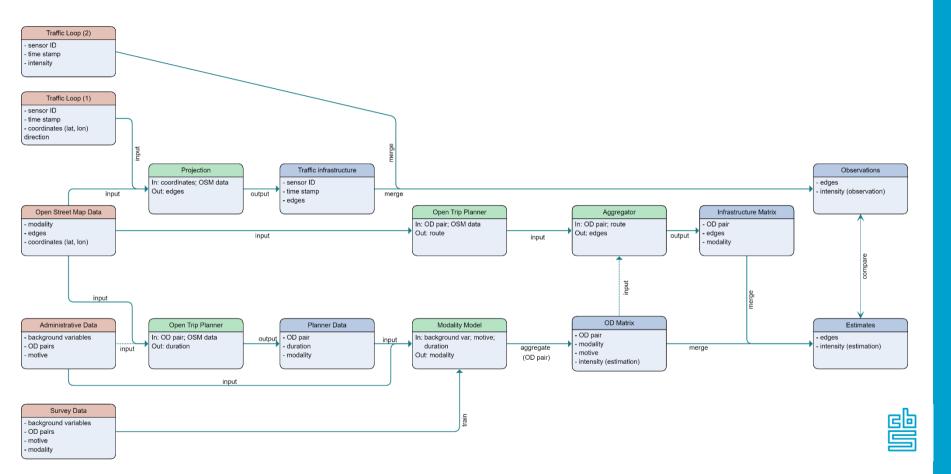
Data collection for City and Subnational Statistics (DaCiMob)

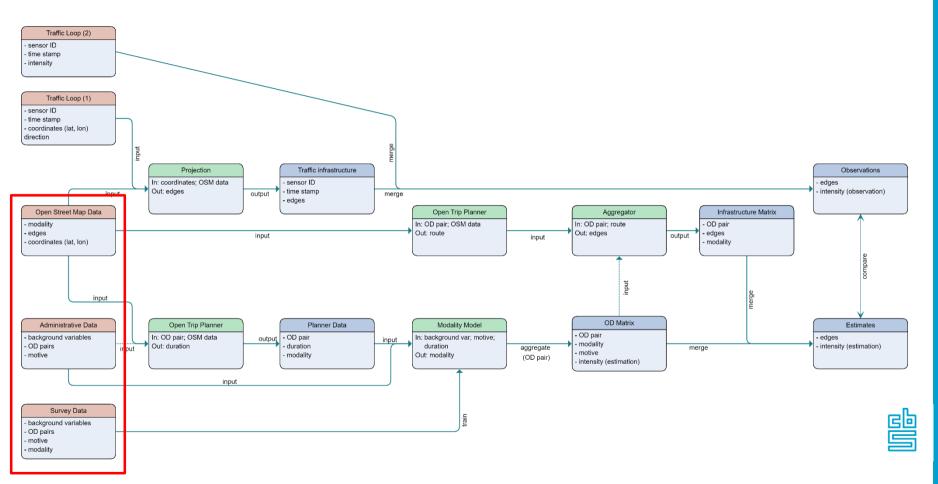
Develop methods, algorithms and infrastructure for combining administrative and big data sources on mobility patterns, maximizing the information value of those data sources.

Provide insight into local and cross border mobility patterns:

- 1. origin-destination matrices segmented on travel motive, travel mode and travel time
- 2. validated projections of o-d matrices on infrastructure.





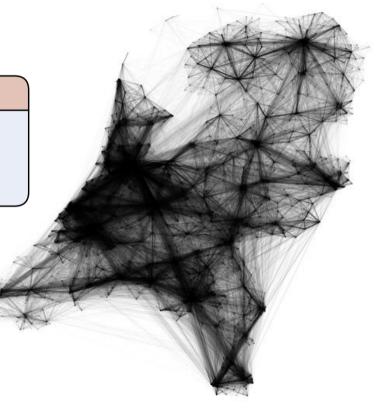


Administrative data: origin-destination

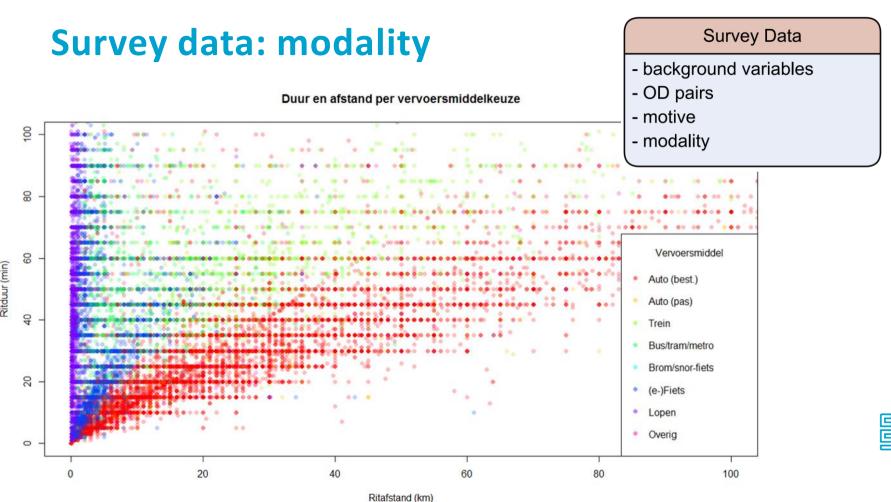
matrix

Administrative Data

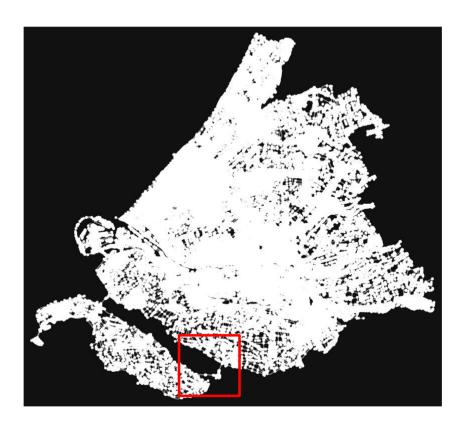
- background variables
- OD pairs
- motive







Infrastructure

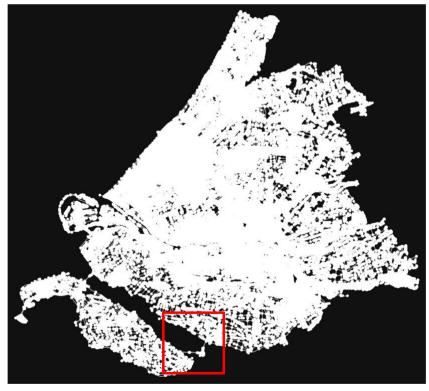


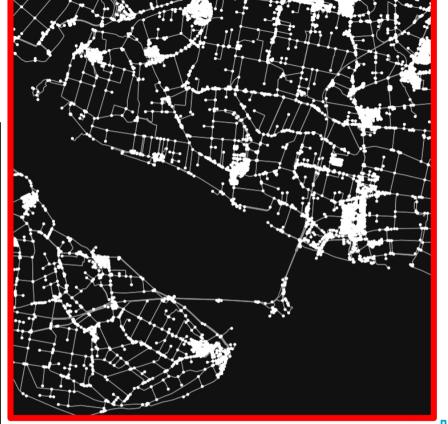
Open Street Map Data

- modality
- edges
- coordinates (lat, lon)



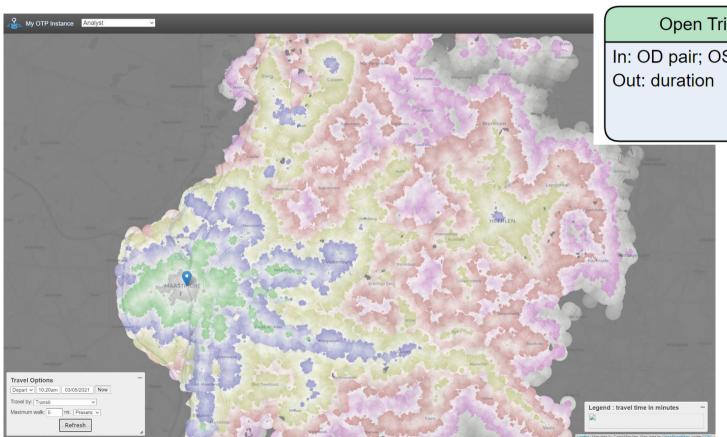
Infrastructure







Travel duration from Maastricht (transit)

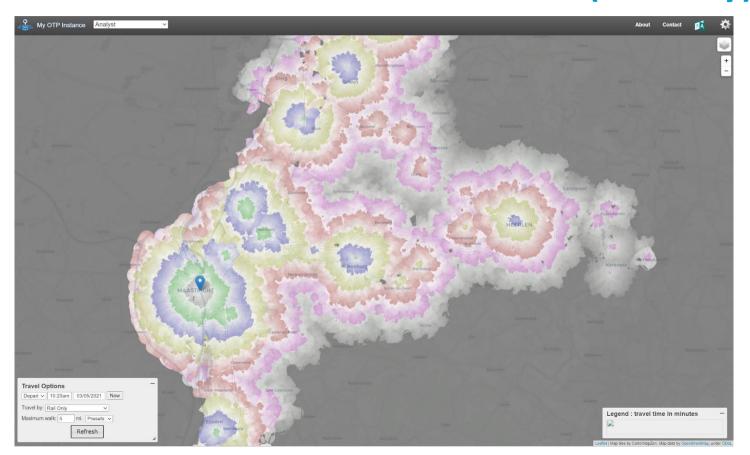




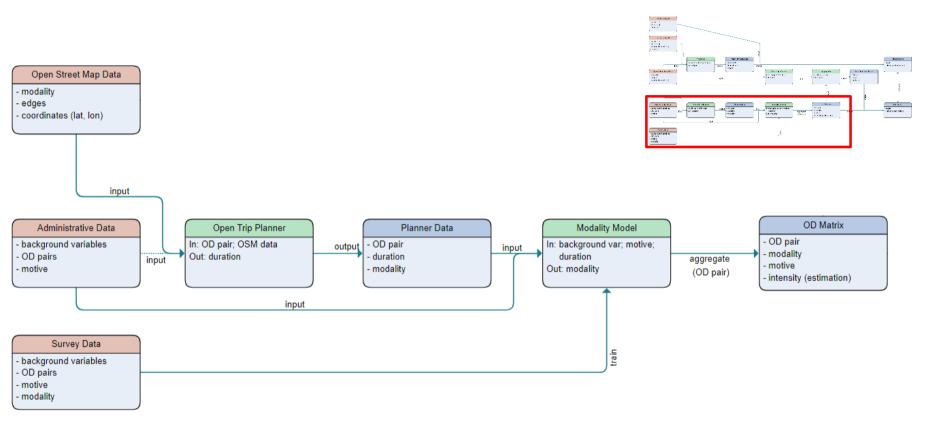
In: OD pair; OSM data



Travel duration from Maastricht (rail only)

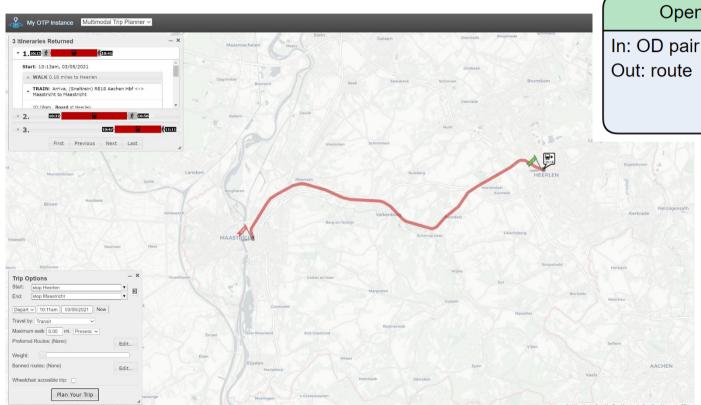








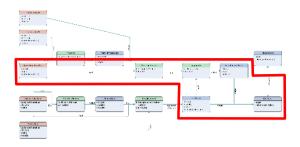
Route planner: Heerlen-Maastricht (transit)

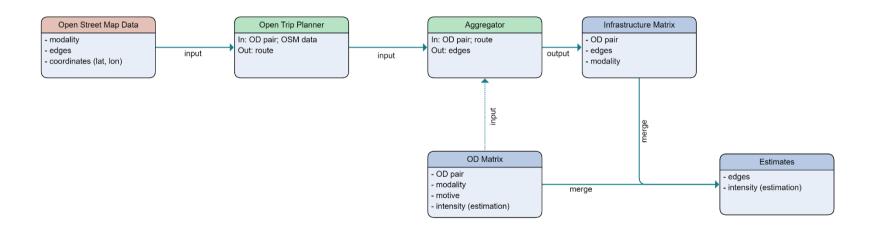


Open Trip Planner

In: OD pair; OSM data



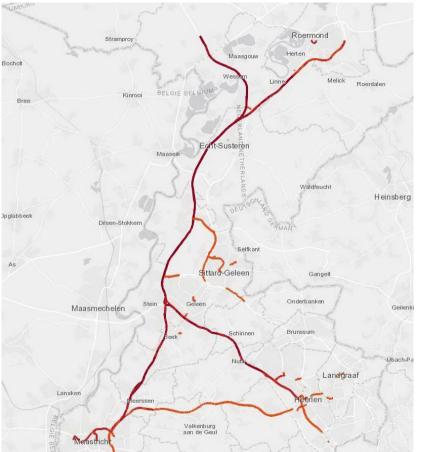






Estimates







Traffic Loop Data

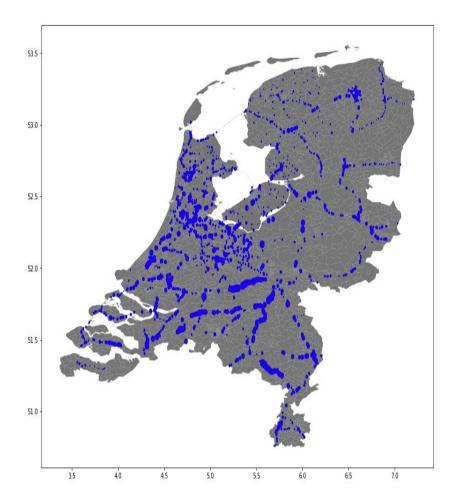
Traffic Loop (2)

- sensor ID
- time stamp
- intensity

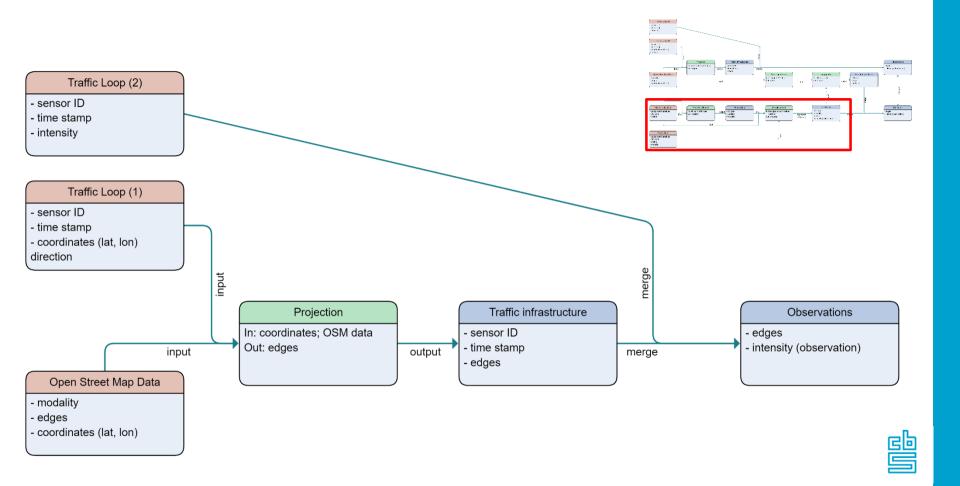
Traffic Loop (1)

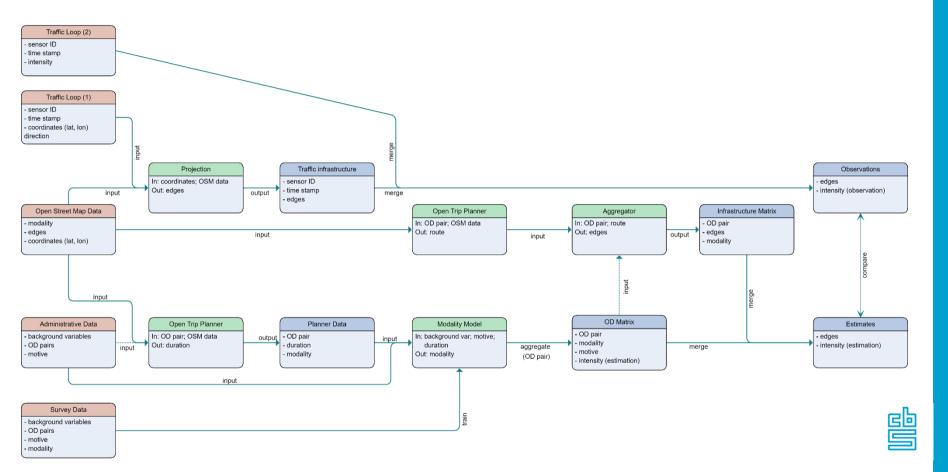
- sensor ID
- time stamp
- coordinates (lat, lon)

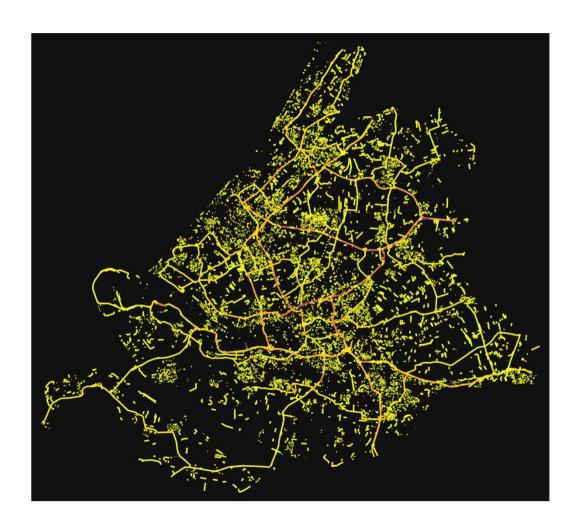
direction









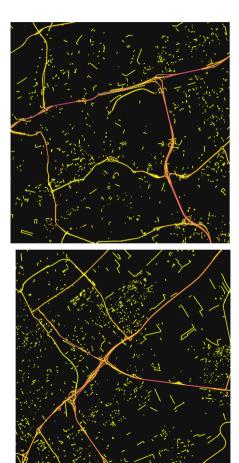




Patterns: intensity roads











Facts that matter