



NewMobilityIndex

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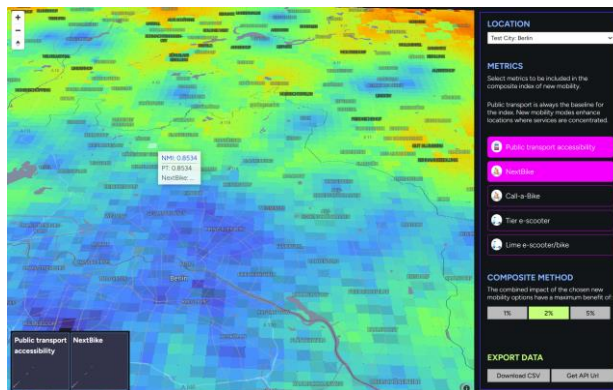
NewMobilityIndex

A composite quality index of public transport and shared mobility services

The "New Mobility Index" (NMI) is a composite quality index of public transport and shared mobility services. Shared mobility services (e-scooters, bike sharing e.g.) co-exist with public transport (PT) in cities around the globe. Despite intuition that their integration with PT could be beneficial, assessment of their impact on transport system quality remains challenging.

We are developing a novel composite quality index that combines PT and shared mobility metrics in a unified framework. This index allows assessment of the quality of transport options on a spatially disaggregate level, indicating where shared mobility can be a useful complement to PT. The index combines data on transport infrastructure and shared services, and leverages open data formats. Normalized, weighted metrics ensure it captures diverse mobility aspects, while the possibility of continuous updates as new data arrives can enhance its usefulness and timeliness.

Transport planners and fleet planners can use this composite index to identify locations in their service area that benefit from these complementary services, or conversely areas where PT and new mobility services may need further development together.



Developed for:

- Fleet operators
- Transport planners
- Policy makers
- Research and development



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