State-Of-the-Art

April 2021

"User retention tendency of bus routes based on user behavior transition in an area with low mode share of public transport"

In [1] they use smart card data "to obtain the odds ratio of usage of a specific bus route".

"Forecasting Public Transportation Capacity Utilisation Considering External Factors"

They used external factors such as weather and public holidays.

"What shapes local public transportation in Europe? Economics, mobility, institutions, and geography"

Background variables

- GDP: Gross domestic product per capita
- DENS: Urban population density
- PRICE: Average price charged to urban transport users
- OCOST: Average operating cost of one public transport place-km
- FLEET: The fleet of vehicles available for public transport purposes
- PUBSPEED: Average speed of public transport vehicles in operation
- PRIVATE TIME: Average time spent by private vehicle trip
- MOTOR: Motorization constructed as the number of private vehicles per thousand population
- PARKING: The number of parking spaces per thousand jobs in the central business district
- Dcapital: A dummy variable taking value one if the city is a political capital and zero otherwise

References

[1] P.-H. Hung, K. Doi, and H. Inoi, "User retention tendency of bus routes based on user behavior transition in an area with low mode share of public transport," *IATSS Research*, vol. 44, no. 2, pp. 111–124, 2020.