

Modeling Free-floating Car-sharing use in Switzerland

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A Spatial Regression and Conditional Logit Approach

Authors: Henrik Becker, Francesco Ciari, and Kay W. Axhausen

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Why did we select this research?

Using spatial regression and conditional logit analysis of original transaction data of a free-floating car-sharing scheme in Switzerland, this research shows that free-floating car-sharing is mainly used for discretionary trips, for which only substantially inferior public transportation alternatives are available. In contrast to station-based car-sharing, it does not rely on high-quality local public transportation access, but bridges gaps in the existing public transportation network.

Key findings:

- Free-floating car-sharing is mainly used for discretionary trips, for which only substantially inferior public transportation alternatives are available.
- Station-based car-sharing relies on local public transportation access, whereas free-floating car-sharing bridges gaps in the public transportation network.

Reference:

Becker, H., Ciari, F., & Axhausen, K. W. (2017). Modeling free-floating car-sharing use in Switzerland: A spatial regression and conditional logit approach. *Transportation Research Part C: Emerging Technologies*, *81*, 286-299. Retrieved from:

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