

Residential self-selection and changes in travel behaviour and travel attitudes caused by relocation: a three-wave random intercept cross-lagged panel analysis in the Netherlands

Govert van Loon – September 13, 2023

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Abstract

- As policy makers increasingly try to stimulate more sustainable travel behaviour through changes in the built environment, it is relevant to uncover the relationships between people's travel behaviour and the neighbourhood or city they live in. Dense, mixed neighbourhoods are associated with a higher trip rate for transit and active modes, but is this behaviour caused by the built environment or by people's preference for certain travel behaviour? To disentangle the causal relationships between the built environment, travel behaviour and travel attitudes, a three-wave random intercept cross-lagged panel model is applied to MPN data of people that have moved house in the Netherlands. It was both found that people with a lower car preference tend to move to denser neighbourhoods (and vice versa) and that after moving to a neighbourhood with a higher density people's car preference tends to decrease (and vice versa).