



## Understanding Cyclist Experience, Safety, and Satisfaction.

### Problem description

Cycling is an integral aspect of sustainable transportation, and promoting cyclist-friendly environments is crucial for enhancing mobility, reducing congestion, and improving public health. However, the quality of cycling infrastructure and the surrounding landscape can significantly impact the experience and safety of cyclists. This project helps in the identification and understanding of factors that are essential for urban planners and policymakers to design and maintain effective cycling networks.

### Assignment

- Review of the state-of-the-art with respect to cyclists' experience, safety and satisfaction, as well as cycling network design and maintenance.
- Perform analysis on data from the "fietsgemeente" survey conducted by the Fietsersbond (Dutch Cyclists' Union) and integrate it with data from various Geographical Information Systems (GIS)
- Investigate the influence of different environmental factors on cycling conditions.
- Writing a thesis report (and potentially a scientific paper).

### Research group

Transport & Planning department

Thesis supervisor: dr.ir. Haneen Farah

Daily supervisor: Dennis Andreoli

### External support

This project is in collaboration with the Fietsersbond (<https://www.fietsersbond.nl/>) and is part of the NWO funded XCARCITY project ([xcarcity.nl](http://xcarcity.nl)). Internship opportunities can be investigated.

### Information

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