Case Zuidasdok Amsterdam – Safety impacts of urban design on active transportation

Problem description

The Zuidasdok project in Amsterdam is an urban revitalization initiative aimed at improving the mobility infrastructure of the Zuidas area. As part of the redevelopment process, local policymakers are eager to understand the safety implications of different urban design elements on active modes of transportation, such as walking, cycling, and other non-motorized forms of travel in this unique, high density urban area.

Assignment

- Review of the state-of-the-art with respect to perceived safety of active transportation mode users.
- Designing an experiment and creation of different ER environment of streets at the zuidas.
- Recruiting of participants and carrying out the experiment.
- Investigate the effects of different urban and infrastructural designs on the perceived safety of users using extended reality (ER).
- 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 various local governmental organizations and is part of the NWO funded XCARCITY project (xcarcity.nl).

Information

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