

# Walking beyond distance

Exploring heterogeneity in pedestrian route choice and its impact on infrastructure decisions

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PhD duration: 01/24 - 01/27



PERSEUS  
Doctoral programme



## Research statement

**PhD focus:** Integrating pedestrian behavior into transport planning/modeling

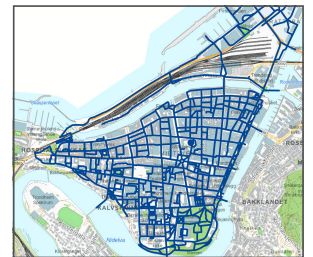
**Problem:** Current Norwegian models oversimplify walking trips, leading to potentially unsustainable infrastructure decisions

**Research goals:**

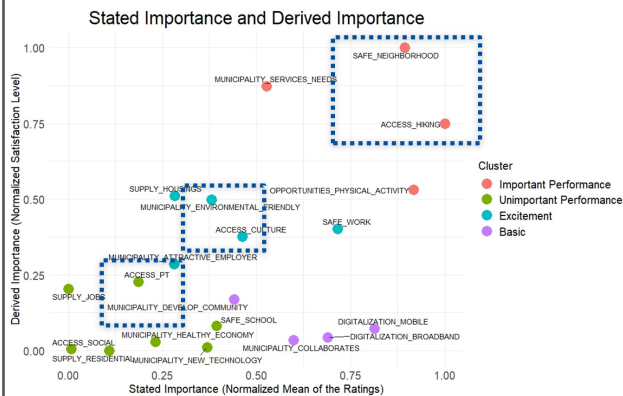
1. Review limitations of existing transport models
2. Analyze heterogeneity in pedestrian behavior
3. Develop a decision-making tool based on findings

## Method

- **Mixed method approach**
- Quantitative data from **GPS Travel survey app**, qualitative data from **stakeholder interviews**, **citizen surveys** and **pedestrian preferences**
- **Cooperation** with the municipality of Skaun

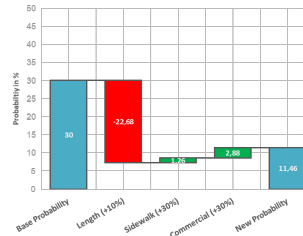


### 1) Limitations existing models

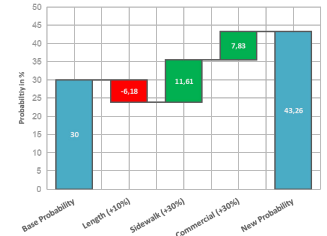


### 2) Heterogeneity in behavior

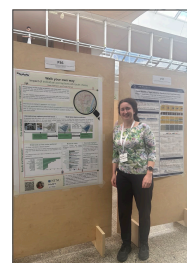
Impact on improvement on route choice probability (work)



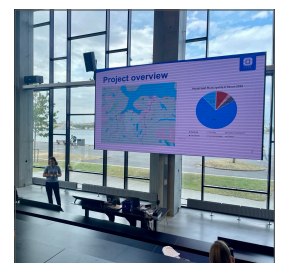
Impact on improvement on route choice probability (leisure)



### 3) Decision-making tool



Let's connect!



Preliminary results