RA Job Description

Active Travel among Older Adults in Scarborough

Team

- **Paula Voorheis**, PhD Candidate at the University of Toronto in Public Health
- **Michelle Silver**, Associate Professor, Department of Health & Society, University of Toronto Scarborough
- **Ignacio Tiznado Aitken**, Postdoctoral fellow Department of Human Geography, University of Toronto
- **Michael J. Widener**, Associate Professor & Canada Research Chair in Transportation and Health, University of Toronto

Background

A growing proportion of the population is reaching older adulthood, thus increasing the need to examine and create supports to keep mature adults actively socially and physically engaged. Until now, little is known about changes in active travel among older adults since the pandemic and how future interventions may better support active transportation among mature adults.

To tackle this important topic, the Suburban Mobilities Cluster ([https://www.utsc.utoronto.ca/suburban-mobilities/](https://www.utsc.utoronto.ca/suburban-mobilities/)) has designed a survey in Scarborough, Toronto, with three modules of interest for this project: (i) sociodemographic characteristics (age, gender, race, immigration status, income, place of residence, among others), (ii) mobility and built environment (transport modes used, neighborhood preferences, mobility barriers), (iii) active transport among older adults, including the role of the pandemic and which elements encourage or make difficult to active travel.

Requirements and tasks

The application will work with a database of 270 responses from older adults. The questions include yes/no, multiple choice, drag and drop (ranking), open, and Likert-scale questions. The required work consists of:

- Data cleaning and preparation
- Statistical analysis of the survey: descriptive statistics (univariate and bivariate analyses) and visualizations. This stage should give initial insights on what to model or include in the models.
- Modeling: logistic regression models (binary, multinomial, and/or ordinal)

The analysis is expected to be done in R. Previous experience in exploratory data analysis, modeling and, Rmarkdown is highly desirable. Graduate students will be prioritized.

Remuneration

The payment would be hour-based, thus will be flexible. The estimation for the work is 8 weeks, 10 hours a week, at 30 per hour.

**To apply:** Submit your CV and a brief 100-200 word statement expressing your interest in the position to i.tiznadoaitken@utoronto.ca with the subject SUBURBAN MOBILITIES RA POSITION.