Proceedings of the 2024 Winter Simulation Conference H. Lam, E. Azar, D. Batur, S. Gao, W. Xie, S. R. Hunter, and M. D. Rossetti, eds.

## 1 SUPPLEMENTARY MATERIAL

This document presents information supporting the conference paper: "Modeling Urban Transport Choices: Incorporating Sociocultural Aspects.

## 1.1 Results of the Chi-square $(\chi^2)$ test

Table 1: Summary of the Chi-square  $(\chi^2)$  test results indicating the statistical significance of analyzed factors with the survey data.

Variable	$(\chi^2)$	p-value
sex	5.65	0.0594
age	9.10	0.0106
socioeconomic status	93.52	0.0000
cost	33.89	0.0000
road safety	9.04	0.0109
personal security	14.94	0.0006
comfort	67.36	0.0000
time	58.49	0.0000
emissions	16.50	0.0003