**Online Supplement to**

**“Investigating the Subjective and Objective Factors Influencing Teenagers' School Travel Mode Choice – An Integrated Choice and Latent Variable Model”**

**Estimation Results for Multinomial-Probit Mode Choice Model:**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **Coeff** | **T-stat** | **Coeff** | **T-stat** | **Coeff** | **T-stat** | **Coeff** | **T-stat** | **Coeff** | **T-stat** |
| **Car** | | **Motorcycle** | | **Public Transit** | | **Walk** | | **Bicycle** | |
| *Constant* |  |  | 0.383 | 2.168 | -0.587 | -5.144 | -0.949 | -9.823 | -0.655 | -6.961 |
| *Travel time (in mins)* | -0.012 | -4.489 | -0.080 | -5.336 | -0.007 | -2.410 | -0.010 | -2.474 | -0.029 | -4.796 |
| *Travel cost ( in euros)* | -0.050 | -2.392 | -0.309 | -2.936 | -0.182 | -3.744 |  |  |  |  |
| *Walking time to bus stop (in mins)* |  |  |  |  | -0.016 | -3.461 |  |  |  |  |
| *Separate bike path (Yes=1, No=0)* |  |  |  |  |  |  |  |  | 0.248 | 4.880 |
| 11-13 years old girl  14-15 years old girl  16-19 years old girl |  |  |  |  |  |  |  |  | -0.167  -0.178  -0.207 | -1.804  -2.695  -2.376 |
| *Weather (base: rain)* |  |  |  |  |  |  |  |  |  |  |
| Sunny (Yes=1, No=0) |  |  |  |  |  |  | 0.221 | 4.836 | 0.177 | 3.988 |
| *Walking Facility (base: too narrow side-walks)* |  |  |  |  |  |  |  |  |  |  |
| Narrow side-walks with safety |  |  |  |  |  |  | 0.195 | 3.624 |  |  |
| Wide side-walks |  |  |  |  |  |  | 0.424 | 8.537 |  |  |
| Narrow side-walks |  |  |  |  |  |  | 0.178 | 3.166 |  |  |
| *Income status (base: 4000 and more euros)* |  |  |  |  |  |  |  |  |  |  |
| Less than 4000 euros | -0.041 | -2.866 |  |  | 0.277 | 4.682 |  |  |  |  |
| *Age and Gender combination* |  |  |  |  |  |  |  |  |  |  |
| 11-13 years old girl (Yes=1,No=0) |  |  |  |  |  |  | -0.221 | -3.181 |  |  |
| 14-15 years old girl (Yes=1,No=0) |  |  |  |  |  |  | -0.135 | -2.848 |  |  |
| Participates in sports activities |  |  |  |  |  |  |  |  | 0.131 | 3.718 |
| Male of age 15-19 years old with a driving license |  |  | 0.262 | 2.602 |  |  |  |  |  |  |
| Male (Yes=1,No=0) |  |  |  |  | 0.090 | 2.415 |  |  |  |  |
| Mother with a PhD degree (Yes=1,No=0) | -0.187 | -2.588 | -0.344 | -1.504 |  |  | 0.210 | 1.764 |  |  |
| Parking Availability (Yes=1, No=0) |  |  | 0.080 | 1.693 |  |  |  |  | 0.110 | 2.694 |