Table ?. Alternate duration model parameter estimates of the duration of commuter work-to-home delay (in minutes) to avoid congestion (*z* statistics in parentheses).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable Description** | | **Weibull** | **Weibull with gamma heterogeneity** | **Log-logistic** |
| Constant | 2.005 (2.81) | 2.253 (3.58) | 2.259 (3.81) |
| Male indicator (1 if male commuter, 0 otherwise) | -0.160 (-1.04) | -0.210 (1.57) | -0.154 (0.953) |
| Ratio of actual travel time at time of expected departure to free-flow (non-congested) travel time | 0.887 (1.43) | 0.723 (2.65) | 0.678 (2.65) |
| Distance from home to work in miles | 0.030 (1.43) | 0.035 (2.06) | –0.036 (2.32) |
| Natural log of the resident population (in tens of thousands) of the work zone | 0.182 (1.61) | 0.193 (1.92) | 0.203 (2.11) |
| Size of the work zone in tens of thousands of acres | 0.016 (0.04) | -0.446 (-0.99) | -0.672 (-1.54) |
| *P* (distribution parameter) | 1.745 (10.49) | 2.42 (5.98) | 2.82 (10.39) |
| λ | 0.018 (14.24) | 0.022 (10.70) | 0.024 (15.52) |
| θ |  | 0.581 (1.68) |  |
| Number of observations | 96 | 96 | 96 |
| Log-likelihood at convergence | -93.82 | -90.92 | -91.33 |

Table ?. Random parameters Weibull duration model of the duration of home delay (in minutes) to avoid congestion.

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable Description** | | **Parameter Estimate** | ***z* statistic** |
| Constant | 2.509 | 10.51 |
| Male indicator (1 if male commuter, 0 otherwise) | -0.151 | -4.48 |
| Ratio of actual travel time at time of expected departure to free-flow (non-congested) travel time  (*Standard deviation of parameter distribution, normally distributed*) | 0.639 (*0.195*) | 5.94 (*14.06*) |
| Distance from home to work in miles | 0.031 | 4.48 |
| Natural log of the resident population (in tens of thousands) of the work zone | 0.196 | 4.73 |
| Size of the work zone in tens of thousands of acres  (*Standard deviation of parameter distribution, normally distributed*) | -0.628 (*0.961*) | -3.10 (*12.19*) |
| *P* (distribution parameter) | 3.79 | 13.01 |
| Number of observations | 96 | |
| Log-likelihood at convergence | -86.93 | |