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 |