Lab 2: Trip Production

9/27/2021

Trip Production Rates

Many of the original trip production rates provided in the Cube scenario are set at 1 across the board, regardless of purpose, number of vehicles, etc. This is obviously not realistic, so we need to use different data. We used the data from the NHTS 2017 report, which we worked with in HW #2 as well. The data manipulation required to get these values is very similar to that from HW #2, so we present just the results here:

HBW

wrkcount	0 vehicles	1 vehicles	2 vehicles	3 vehicles
0	0.01	0.01	0.06	0.03
1	0.50	1.00	1.22	1.04
2	3.79	2.07	2.30	2.59

HBSHOP

hhsize	0 vehicles	1 vehicles	2 vehicles	3 vehicles
1	0.60	0.87	0.83	0.89
2	2.10	1.75	1.78	1.77
3	1.99	1.68	1.30	1.84
4	1.58	1.82	1.84	1.66

HBO

hhsize	0 vehicles	1 vehicles	2 vehicles	3 vehicles
1	0.41	0.56	0.54	0.34
2	0.42	1.55	1.15	1.12
3	3.98	1.90	2.04	1.93
4	3.32	5.28	4.31	4.19