

ENVISION TOMORROW HOUSEHOLD 7D TRAVEL MODEL - INDEPENDENT VARIABLES AND COEFFICIENTS

Variable Type	Variable	GIS Root Field Name	Probability of VMT	VMT	Vehicle Trips	Probability of Walk Trips	Walk Trips	Probability of Bike Trips	Bike Trips	Probability of Transit Trips	Transit
			VMT_Prob	VMT	Auto_Trips	Walk_Trips_prob	Walk_Trips	Bike_Trips_prob	Bike_Trips	Trans_Trips_prob	Trans_Trips
Household Variat Const	Constant		3.202	2.846	1.289	-4.957	0.325	-6.689	0.714	-4.865	0.525
	Household Size	AVG_HH_SIZE	0.385	0.168	0.305	0.419	0.164	0.386	0.109	0.104	0.092
	Number of Employed Workers in the Household	AVG_HH_WORKERS	0.277	0.189	0.007		-0.06	0.181		0.321	-0.018
Accessibility Variables	Household Income	AVG_HH_INC	0.0426+	0.0026+	0.0015+		-0.0009+			-0.0081+	-0.0027+
	Activity Density within ¼, ½, and 1 miles (Pop + Emp / Developed Sq Mi)	ActDenQtrMi					0.00095+				
		ActDenHalfMi			-0.0043+						
		ActDen1Mi	-0.0144+	-0.0064+		0.017+					
	Job-Population Balance within ¼, ½, and 1 miles	JobPopBalQtrMi		-0.044							
		JobPopBalHalfMi						0.362			
		JobPopBal1Mi			0.022					0.246	0.187
	Land Use Entropy (Mix) within ¼, ½, and 1 miles	LU_MIX_QTRMi	-0.891		-0.065	0.497				0.625	
		LU_MIX_HALFMi					0.282				0.188
		LU_MIX_1Mi		-0.219							
	Percent of Regional Employees/Jobs Accessible within a 10, 20 and 30 Minute Auto Trip	PctRegEmp10MinA	-0.0193!	-0.0065!							
		PctRegEmp20MinA			0.00104!						
		PctRegEmp30MinA									
	Percent of Regional Employees/Jobs Accessible within a 30 Minute Transit Trip	PctRegEmp30MinT		-0.0034!		0.009!	0.0031!			0.011!	0.0021!
	Intersection Density within ¼, ½, and 1 miles (Intersections / Developed Sq Mi)	IntDenQtrMi									
		IntDenHalfMi				0.0019					
		IntDen1Mi	-0.0027	-0.0018				0.0032			
	Percent of 4-way Intersections within ¼, ½, and 1 miles (4-Way Intersections / Intersections by Neighborhood)	Pct4WayIntQtrMi					0.0012!				
		Pct4WayIntHalfMi									
		Pct4WayInt1Mi	-0.0114!	-0.0024!		0.0088!		0.0158!	0.0041!	0.0075!	
	Transit Stop Density within ¼, ½, and 1 miles (Transit Stops / Developed Sq Mi)	TransStopDenQtrMi	-0.0033								0.00048
		TransStopDenHalfMi			0.0007	0.0048	0.0018				
		TransStopDen1Mi							0.0028	0.014	
	Rail Stops within a ½ mile (Rail Stops / Developed Sq Mi)	RailTransStopHalfMi									
Regional V	Regional Population	Regpop	-0.000253+						-0.000039+		0.000066+
	Regional Compactness Index	Compact	-0.00026			0.0146	0.00328	0.01		0.01	

! = multiply by 100

+ = divide by 1000