

Urban Transportation Mode Choice Example

	<u>Auto</u>	<u>Bus</u>	<u>Rail</u>
Collection Cost:			
Collection Time (Minutes)	0	10	15
Cost Per Minute (Dollars)	\$0.30	\$0.30	\$0.30
Collection Time Cost (Dollars)	0	\$3.00	\$4.50
Line-Haul Cost:			
Line-Haul Time (Minutes)	40	50	30
Cost Per Minute (Dollars)	\$0.10	\$0.10	\$0.10
Line-Haul Time Cost (Dollars)	\$4.00	\$5.00	\$3.00
Distribution Cost:			
Distribution Time (Minutes)	0	5	9
Cost Per Minute (Dollars)	\$0.30	\$0.30	\$0.30
Distribution Time Cost (Dollars)	0	\$1.50	\$2.70
Total Time Cost (Dollars)	\$4.00	\$9.50	\$10.20
Monetary Cost (Dollars)	\$2.00	\$1.00	\$1.50
Parking Cost (Dollars)	\$3.00	0	0
Total Time Cost (Dollars)	\$4.00	\$9.50	\$10.20
Total Money Cost (Dollars)	\$5.00	\$1.00	\$1.50
Total Cost (Dollars)	\$9.00	\$10.50	\$11.70

Assumptions: 10 mile commuting trip
 Collection and Distribution Cost is 30 cents/minute
 Line-Haul Cost is 10 cents/minute
 Money Cost is 20 cents/mile
 Bus and Rail Fares are \$1 and \$1.50 respectively
 Half the daily Parking Cost of \$6 is allocated to the trip