Values Across All Replications

Unnamed Project

Replications: 5 Time Units: Hours

Key Performance Indicators

System Average
Number Out 2,726

Model Filename: C:\Users\yliu\Desktop\Personal\Gatech\ISYE 6644\Project\Traffic Signal Anima

Values Across All Replications

Unnamed Project

Replications: 5 Time Units: Hours

Entity

Time

VA Time	Average	Half Width	Minimum	Maximum	Minimum	Maximum
0			Average	Average	Value	Value
Car	0.00	0.00	0.00	0.00	0.00	0.00
Entity 1	0.00722222	0.00	0.00722222	0.00722222	0.00722222	0.00722222
Entity 2	0.00722222	0.00	0.00722222	0.00722222	0.00722222	0.00722222
Entity 3	0.00722222	0.00	0.00722222	0.00722222	0.00722222	0.00722222
NVA Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Car	0.00	0.00	0.00	0.00	0.00	0.00
Entity 1	0.00	0.00	0.00	0.00	0.00	0.00
Entity 2	0.00	0.00	0.00	0.00	0.00	0.00
Entity 3	0.00	0.00	0.00	0.00	0.00	0.00
Wait Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Car	0.00989248	0.00	0.00970604	0.01003975	0.00	0.02544846
Entity 1	0.00	0.00	0.00	0.00	0.00	0.00
Entity 2	0.00	0.00	0.00	0.00	0.00	0.00
Entity 3	0.00	0.00	0.00	0.00	0.00	0.00
Transfer Time		11.16347.10	Minimum	Maximum	Minimum	Maximum
	Average	Half Width	Average	Average	Value	Value
Car	Average 0.00	0.00	0.00	0.00	0.00	0.00
Car Entity 1						
	0.00	0.00	0.00	0.00	0.00	0.00
Entity 1	0.00 0.00	0.00 0.00	0.00	0.00	0.00 0.00	0.00 0.00
Entity 1 Entity 2	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
Entity 1 Entity 2 Entity 3	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 Minimum	0.00 0.00 0.00 0.00 Maximum	0.00 0.00 0.00 0.00 Minimum	0.00 0.00 0.00 0.00 Maximum
Entity 1 Entity 2 Entity 3 Other Time	0.00 0.00 0.00 0.00 Average	0.00 0.00 0.00 0.00 Half Width	0.00 0.00 0.00 0.00 Minimum Average	0.00 0.00 0.00 0.00 Maximum Average	0.00 0.00 0.00 0.00 Minimum Value	0.00 0.00 0.00 0.00 Maximum Value
Entity 1 Entity 2 Entity 3 Other Time	0.00 0.00 0.00 0.00 Average 0.02166476	0.00 0.00 0.00 0.00 Half Width	0.00 0.00 0.00 0.00 Minimum Average 0.02166000	0.00 0.00 0.00 0.00 Maximum Average 0.02167006	0.00 0.00 0.00 0.00 Minimum Value 0.02101892	0.00 0.00 0.00 0.00 Maximum Value 0.02232077
Entity 1 Entity 2 Entity 3 Other Time Car Entity 1	0.00 0.00 0.00 0.00 Average 0.02166476 0.00	0.00 0.00 0.00 0.00 Half Width 0.00 0.00	0.00 0.00 0.00 0.00 Minimum Average 0.02166000 0.00	0.00 0.00 0.00 0.00 Maximum Average 0.02167006 0.00	0.00 0.00 0.00 0.00 Minimum Value 0.02101892 0.00	0.00 0.00 0.00 0.00 Maximum Value 0.02232077 0.00
Entity 1 Entity 2 Entity 3 Other Time Car Entity 1 Entity 2	0.00 0.00 0.00 0.00 Average 0.02166476 0.00 0.00	0.00 0.00 0.00 0.00 Half Width 0.00 0.00	0.00 0.00 0.00 0.00 Minimum Average 0.02166000 0.00	0.00 0.00 0.00 0.00 Maximum Average 0.02167006 0.00 0.00	0.00 0.00 0.00 0.00 Minimum Value 0.02101892 0.00 0.00	0.00 0.00 0.00 0.00 Maximum Value 0.02232077 0.00 0.00
Entity 1 Entity 2 Entity 3 Other Time Car Entity 1 Entity 2 Entity 3	0.00 0.00 0.00 0.00 Average 0.02166476 0.00 0.00	0.00 0.00 0.00 0.00 Half Width 0.00 0.00 0.00	0.00 0.00 0.00 0.00 Minimum Average 0.02166000 0.00 0.00 0.00	0.00 0.00 0.00 0.00 Maximum Average 0.02167006 0.00 0.00 0.00	0.00 0.00 0.00 0.00 Minimum Value 0.02101892 0.00 0.00 0.00	0.00 0.00 0.00 0.00 Maximum Value 0.02232077 0.00 0.00 0.00
Entity 1 Entity 2 Entity 3 Other Time Car Entity 1 Entity 2 Entity 3 Total Time	0.00 0.00 0.00 0.00 0.00 Average 0.02166476 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 Half Width 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 Minimum Average 0.02166000 0.00 0.00 0.00 Minimum Average	0.00 0.00 0.00 0.00 Maximum Average 0.02167006 0.00 0.00 0.00 Maximum Average	0.00 0.00 0.00 0.00 Minimum Value 0.02101892 0.00 0.00 0.00 Minimum Value	0.00 0.00 0.00 0.00 Maximum Value 0.02232077 0.00 0.00 0.00 Maximum Value
Entity 1 Entity 2 Entity 3 Other Time Car Entity 1 Entity 2 Entity 3 Total Time Car	0.00 0.00 0.00 0.00 0.00 Average 0.02166476 0.00 0.00 0.00 0.00 Average 0.03155724	0.00 0.00 0.00 0.00 Half Width 0.00 0.00 0.00 Half Width 0.00	0.00 0.00 0.00 0.00 Minimum Average 0.02166000 0.00 0.00 0.00 Minimum Average 0.03137119	0.00 0.00 0.00 0.00 0.00 Maximum Average 0.02167006 0.00 0.00 0.00 Maximum Average 0.03170739	0.00 0.00 0.00 0.00 Minimum Value 0.02101892 0.00 0.00 Minimum Value 0.02101892	0.00 0.00 0.00 0.00 Maximum Value 0.02232077 0.00 0.00 0.00 Maximum Value 0.04705512
Entity 1 Entity 2 Entity 3 Other Time Car Entity 1 Entity 2 Entity 3 Total Time Car Entity 1	0.00 0.00 0.00 0.00 0.00 Average 0.02166476 0.00 0.00 0.00 0.00 Average 0.03155724 0.00722222	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 Minimum Average 0.02166000 0.00 0.00 0.00 Minimum Average 0.03137119 0.00722222	0.00 0.00 0.00 0.00 0.00 Maximum Average 0.02167006 0.00 0.00 0.00 Maximum Average 0.03170739 0.00722222	0.00 0.00 0.00 0.00 Minimum Value 0.02101892 0.00 0.00 Minimum Value 0.02101892 0.002101892 0.00722222	0.00 0.00 0.00 0.00 Maximum Value 0.02232077 0.00 0.00 0.00 Maximum Value 0.04705512 0.00722222

Values Across All Replications

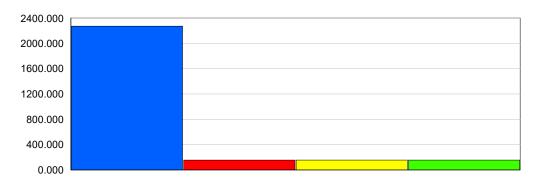
Unnamed Project

Replications: 5 Time Units: Hours

Entity

Other

Number In	Average	Half Width	Minimum Average	Maximum Average
Car	2272.80	69.78	2211.00	2351.00
Entity 1	155.00	0.00	155.00	155.00
Entity 2	155.00	0.00	155.00	155.00
Entity 3	155.00	0.00	155.00	155.00



■ Car
Entity 1
Entity 2
Entity 3

Number Out	Average	Half Width	Minimum Average	Maximum Average		
Car	2260.60	66.50	2199.00	2335.00		
Entity 1	155.00	0.00	155.00	155.00		
Entity 2	155.00	0.00	155.00	155.00		
Entity 3	155.00	0.00	155.00	155.00		
WIP	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Car	14.2979	0.39	13.9678	14.7411	0.00	37.0000
Entity 1	0.2239	0.00	0.2239	0.2239	0.00	1.0000
Entity 2	0.2239	0.00	0.2239	0.2239	0.00	1.0000
	0.2200					

Values Across All Replications

Unnamed Project

Replications: 5 Time Units: Hours

Queue

Time

Waiting Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Green Light 1.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Green Light 2.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Green Light 3.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Intersection 1.Queue	0.00977393	0.00	0.00959067	0.00994674	0.00	0.02499985
Intersection 2.Queue	0.00008029	0.00	0.00006678	0.00010324	0.00	0.02499874
Intersection 3.Queue	0.00003825	0.00	0.00002381	0.00004885	0.00	0.02496182

Other

Number Waiting	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Green Light 1.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Green Light 2.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Green Light 3.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Intersection 1.Queue	4.4346	0.12	4.3284	4.5448	0.00	22.0000
Intersection 2.Queue	0.03623868	0.01	0.03036955	0.04581946	0.00	15.0000
Intersection 3.Queue	0.01732928	0.01	0.01083005	0.02168000	0.00	12.0000

4

Values Across All Replications

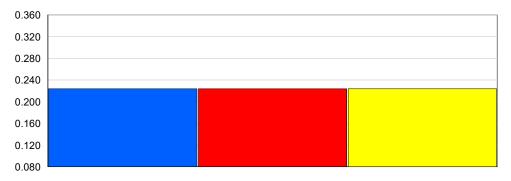
Unnamed Project

Replications: 5 Time Units: Hours

Resource

Usage

Instantaneous Utilization	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Resource 1	0.2239	0.00	0.2239	0.2239	0.00	1.0000
Resource 2	0.2239	0.00	0.2239	0.2239	0.00	1.0000
Resource 3	0.2239	0.00	0.2239	0.2239	0.00	1.0000
Number Busy	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Resource 1	0.2239	0.00	0.2239	0.2239	0.00	1.0000
Resource 2	0.2239	0.00	0.2239	0.2239	0.00	1.0000
Resource 3	0.2239	0.00	0.2239	0.2239	0.00	1.0000
Number Scheduled	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Resource 1	1.0000	0.00	1.0000	1.0000	1.0000	1.0000
Resource 2	1.0000	0.00	1.0000	1.0000	1.0000	1.0000
Resource 3	1.0000	0.00	1.0000	1.0000	1.0000	1.0000
Scheduled Utilization	Average	Half Width	Minimum Average	Maximum Average		
Resource 1	0.2239	0.00	0.2239	0.2239		
Resource 2	0.2239	0.00	0.2239	0.2239		
Resource 3	0.2239	0.00	0.2239	0.2239		





5

Values Across All Replications

Unnamed Project

Replications: 5 Time Units: Hours

Resource

Usage

Total Number Seized	Average	Half Width	Minimum Average	Maximum Average	
Resource 1	155.00	0.00	155.00	155.00	
Resource 2	155.00	0.00	155.00	155.00	
Resource 3	155.00	0.00	155.00	155.00	

