

Values Across All Replications

Exercise 3

Replications: 5      Time Units: Minutes

Key Performance Indicators

System

Average

Number Out

1,000

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Entity

Time

VA Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Item	59.8048	0.16	59.6629	59.9605	31.3988	94.7333
NVA Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Item	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
Item	304.69	118.85	190.80	434.70	0.00	884.34
Transfer Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Item	0.00	0.00	0.00	0.00	0.00	0.00
Other Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Item	0.00	0.00	0.00	0.00	0.00	0.00
Total Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Item	364.49	118.77	250.58	494.40	42.8096	935.79

Other

Number In	Average	Half Width	Minimum Average	Maximum Average		
Item	1000.00	0.00	1000.00	1000.00		
Number Out	Average	Half Width	Minimum Average	Maximum Average		
Item	1000.00	0.00	1000.00	1000.00		
WIP	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Item	17.6563	5.81	12.0822	24.0204	0.00	47.0000

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Queue

Time

Waiting Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Machine Atelier 1.Queue	202.86	89.27	109.23	256.78	0.00	668.80
Machine Atelier 2.Queue	75.4065	56.91	34.2294	154.25	0.00	394.87
Machine Atelier 3.Queue	26.4226	6.91	20.1169	34.9335	0.00	140.03

Other

Number Waiting	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Machine Atelier 1.Queue	9.8215	4.32	5.2665	12.4757	0.00	35.0000
Machine Atelier 2.Queue	3.6585	2.77	1.6321	7.4943	0.00	20.0000
Machine Atelier 3.Queue	1.2806	0.35	0.9700	1.7081	0.00	8.0000

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Resource

Usage

Instantaneous Utilization						
	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Machine	0.9627	0.01	0.9493	0.9775	0.00	1.0000
Machine 2	0.9650	0.02	0.9430	0.9748	0.00	1.0000
Machine 3	0.9681	0.01	0.9533	0.9753	0.00	1.0000
Number Busy						
	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Machine	0.9627	0.01	0.9493	0.9775	0.00	1.0000
Machine 2	0.9650	0.02	0.9430	0.9748	0.00	1.0000
Machine 3	0.9681	0.01	0.9533	0.9753	0.00	1.0000
Number Scheduled						
	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Machine	1.0000	0.00	1.0000	1.0000	1.0000	1.0000
Machine 2	1.0000	0.00	1.0000	1.0000	1.0000	1.0000
Machine 3	1.0000	0.00	1.0000	1.0000	1.0000	1.0000
Scheduled Utilization						
	Average	Half Width	Minimum Average	Maximum Average		
Machine	0.9627	0.01	0.9493	0.9775		
Machine 2	0.9650	0.02	0.9430	0.9748		
Machine 3	0.9681	0.01	0.9533	0.9753		



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Resource

Usage

Total Number Seized	Average	Half Width	Minimum Average	Maximum Average
Machine	1000.00	0.00	1000.00	1000.00
Machine 2	1000.00	0.00	1000.00	1000.00
Machine 3	1000.00	0.00	1000.00	1000.00



User Specified

Tally

Between	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Item After M1	20.4737	0.36	20.1987	20.9242	0.00	143.19
Item After M2	20.5521	0.30	20.2843	20.9303	1.4275	110.69