: **(99102207)**

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$\cdot \frac{1}{\lambda_b+\lambda_s}$:( ) $\mathbb{E}[T_1]$ .1

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:( ) $\mathbb{E}[T_2]$ .2

. λ_s λ_b $\frac{\lambda_s}{\lambda_b(\lambda_b+\lambda_s)}$

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Validation *Verification* (

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Conceptualization Model (

)*Design Experimental*) (

)*Analysis and Runs Production*)

Verification :**Validation Verification** **1**

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Validation .

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Model Conceptualization : **Model Conceptualization** **3**

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.)Experimental Design)

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)*Analysis and Runs Production*)

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"Interarrival Time" .

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Interval Time	**Probability**	**Service Time**	**Probability**	**Baker Service Time**	**Probability**
1	0.2	4	0.32	5	0.38
2	0.45	5	0.26	6	0.26
3	0.2	6	0.24	7	0.19
4	0.15	8	0.18	8	0.17

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. "Baker" "Able" .

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. "Able" :

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”Baker” ”Able” . ( )
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- generate_interarrival_time : .
- generate_service_time : .
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- : .
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: Able

- **) Average Utilization :(** 0.68 68% Able . .
- **) Average Idle Time :(** 0.32 32% Able . .

: Baker

- **: Average Utilization** 0.81 81% Baker . Able Baker .
- **: Average Idle Time** 0.19 19% Baker . .

. Baker

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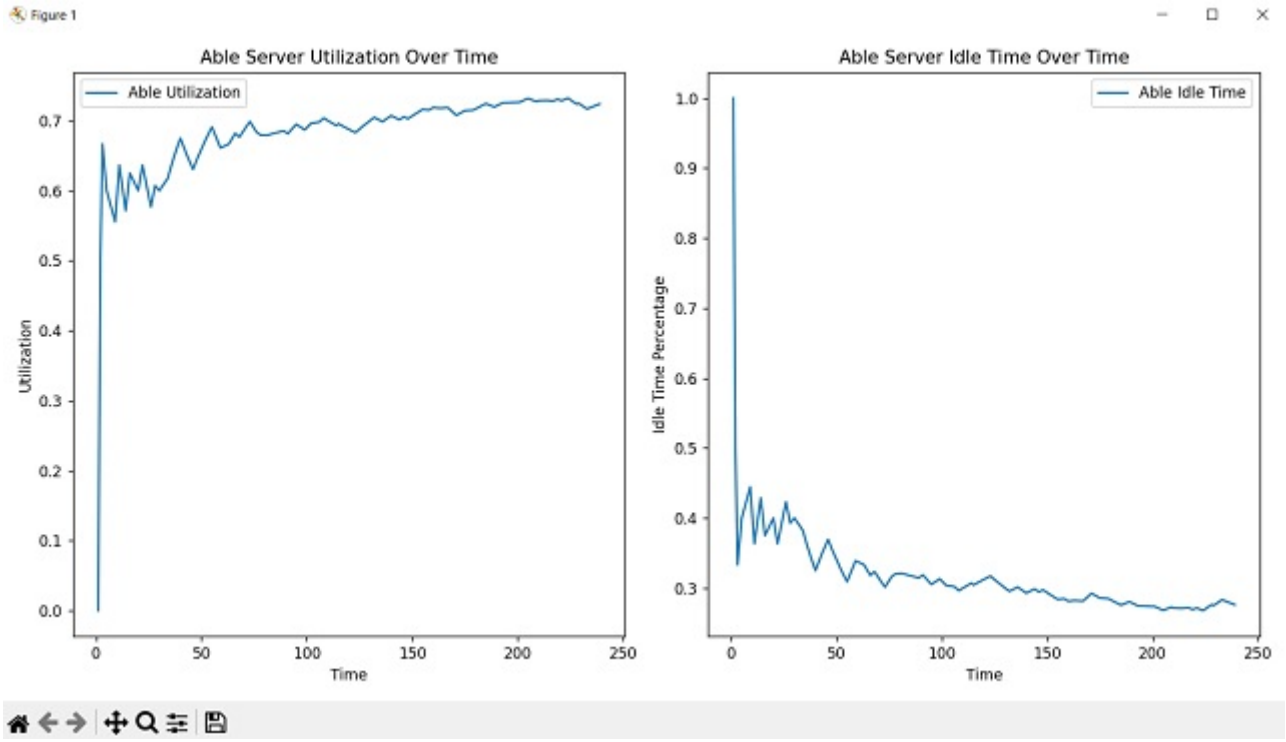
Figure 1
Able Server Utilization Over Time
Able Utilization
Utilization
Time
Able Server Idle Time Over Time
Able Idle Time
Idle Time Percentage
Time

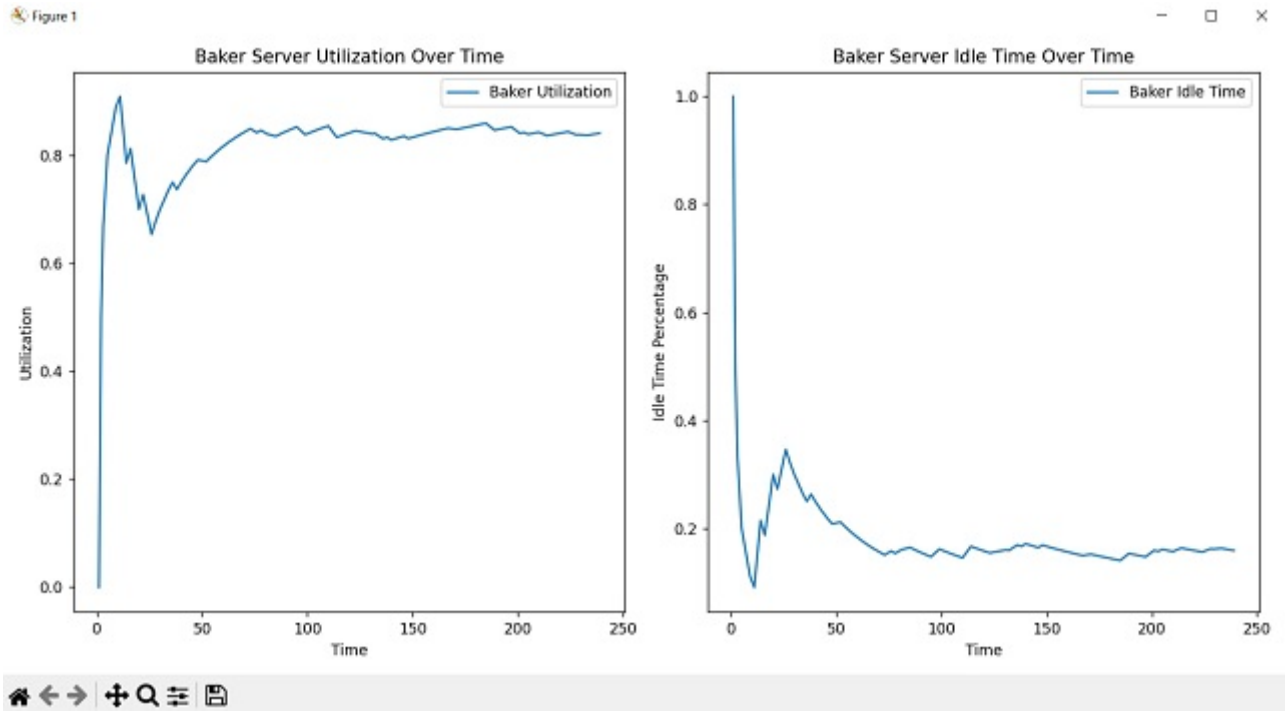
Figure 1
Baker Server Utilization Over Time
Baker Utilization
Utilization
Time
Baker Server Idle Time Over Time
Baker Idle Time
Idle Time Percentage
Time