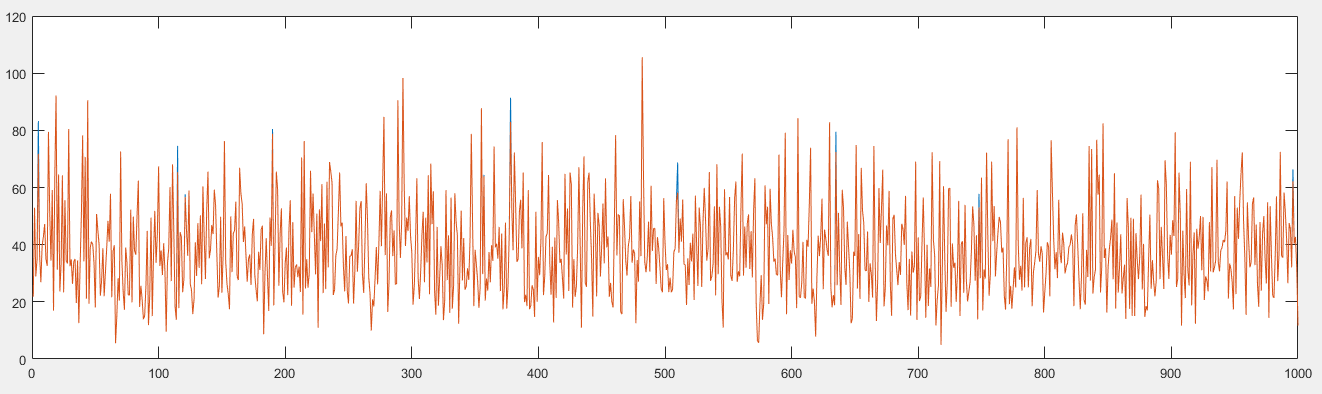
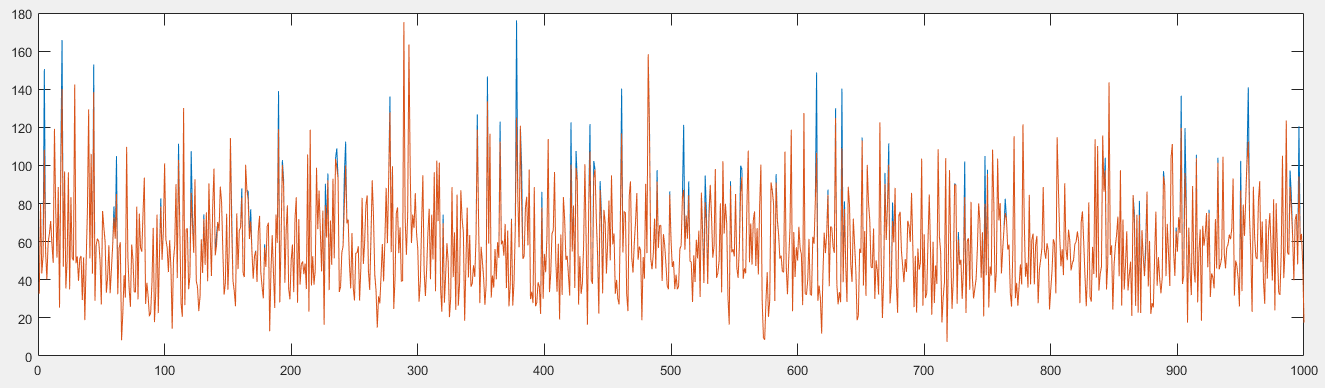
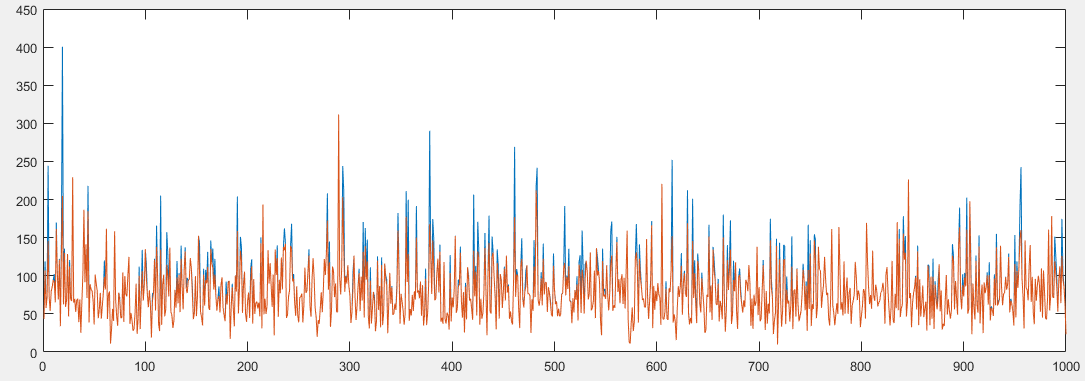
For Uniform Inter-arrival rate:



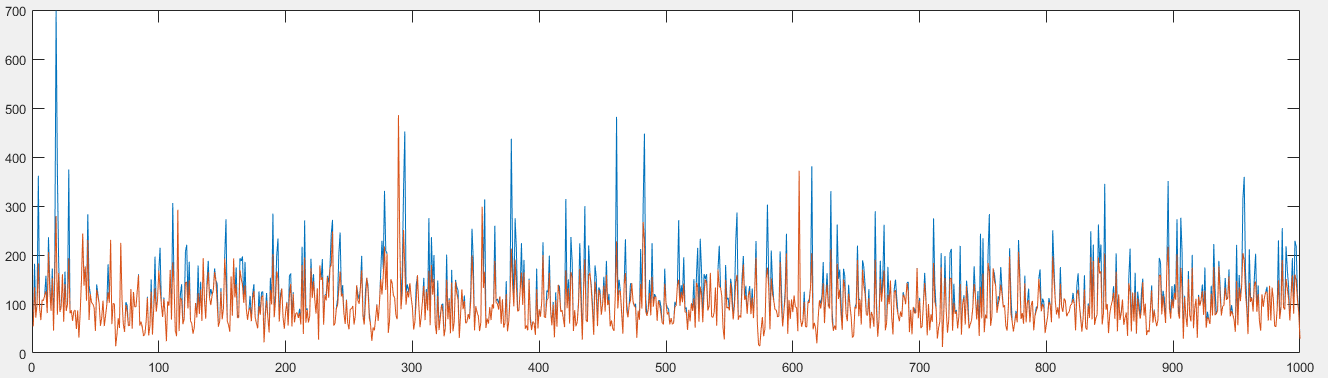
Setting: Inter-arrival rate: Uniform(180-220), basic service Time=Exponential(100)



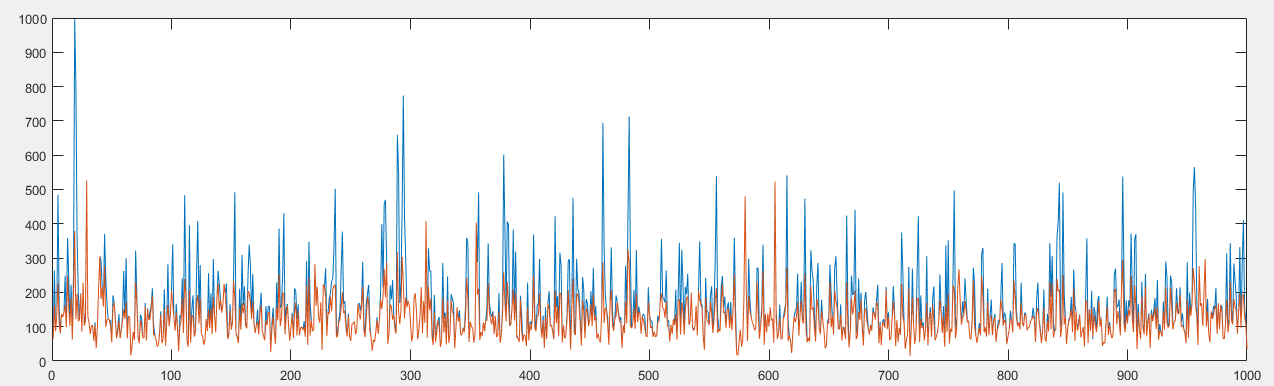
Setting: Inter-arrival rate: Uniform(180-220), basic service Time=Exponential(150)



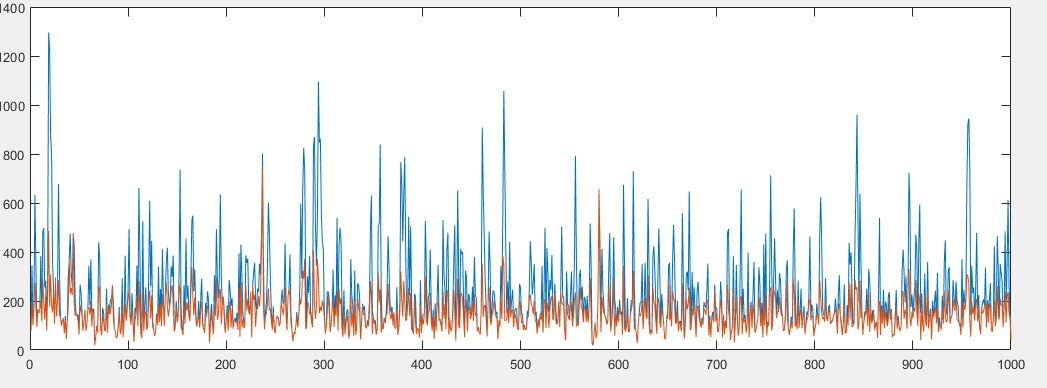
Setting: Inter-arrival rate: Uniform( 180-220), basic serviceTIme=Exponential(200)



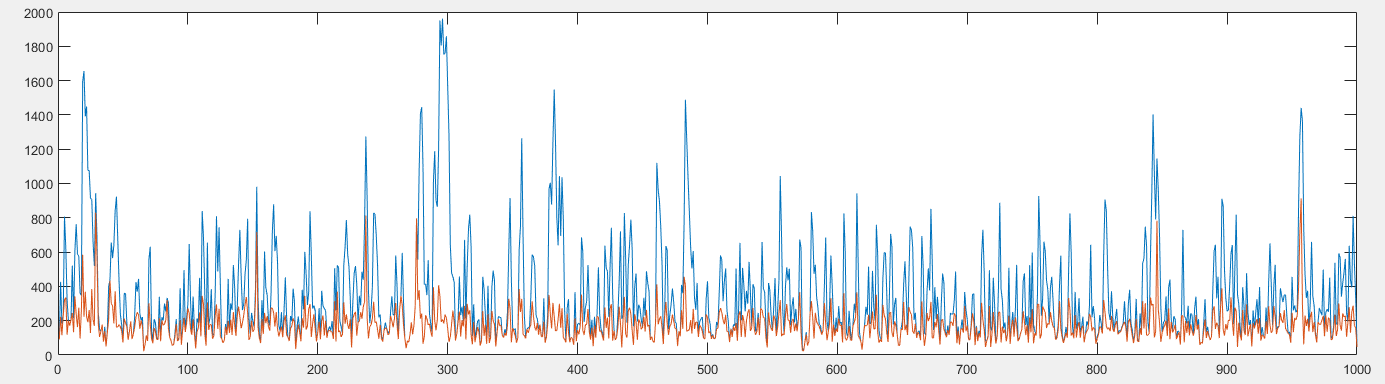
Setting: Inter-arrival rate: Uniform(180-220), basic service time=Exponential(250)



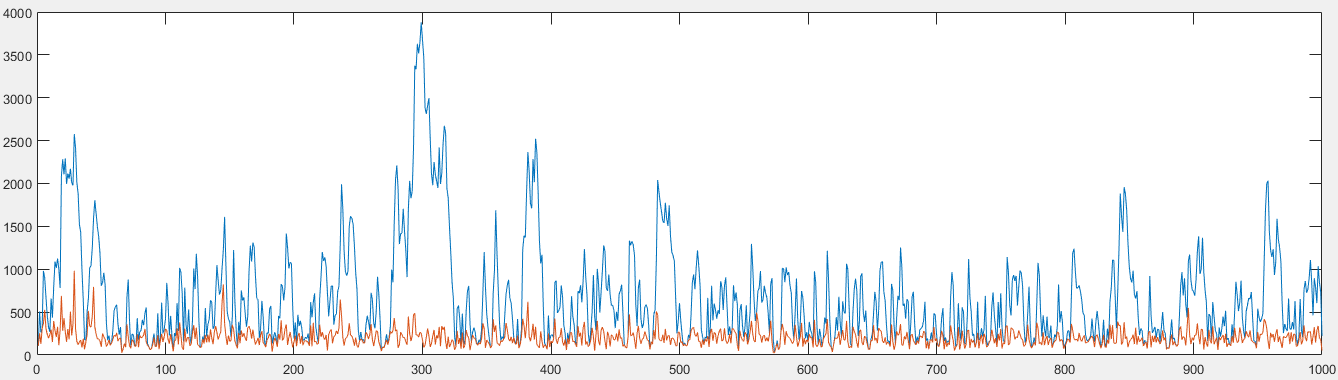
Setting: Inter-arrival rate=Uniform(180-220), basic service Time=Exponential(300)



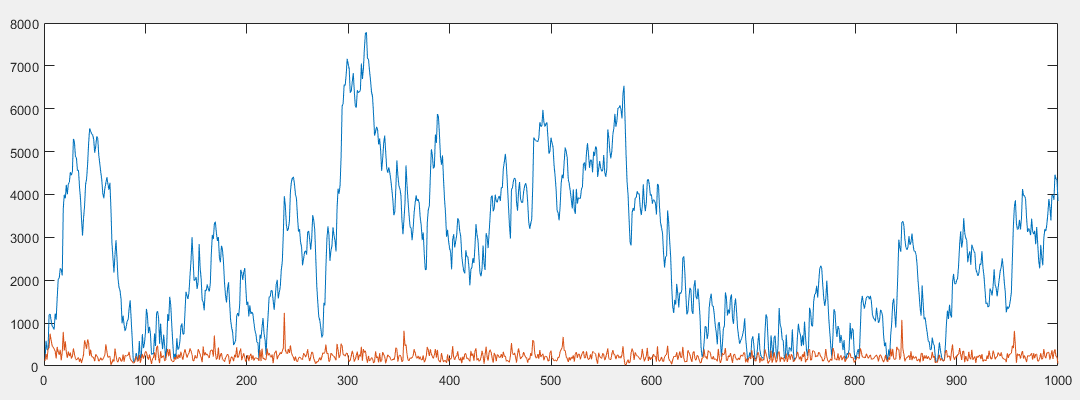
Setting: Inter-arrival rate=Uniform(180-220), basic serviceTime=Exponential(350)



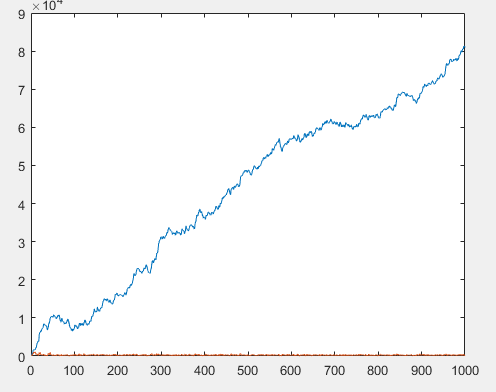
Setting: Inter-arrival rate=Uniform(180-220), basic ServiceTime=Exponential(400)



Setting: Inter-arrival rate=Uniform(180-220), basic ServiceTime=Exponential(450)

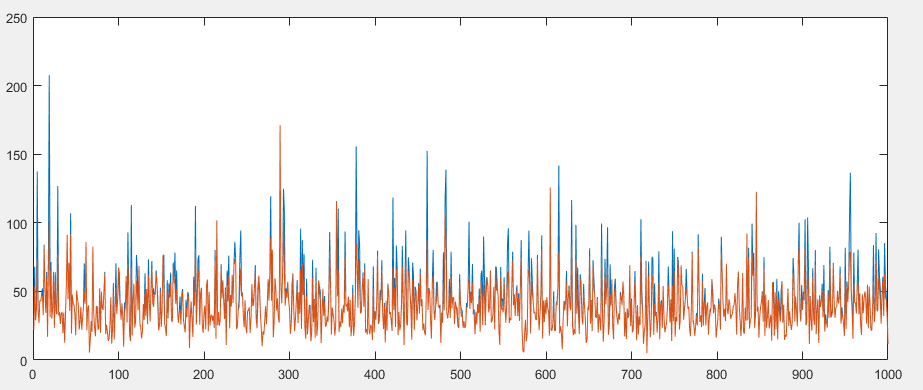


Setting: Inter-arrival rate=Uniform(180-220), basic serviceTime=Exponential(500)

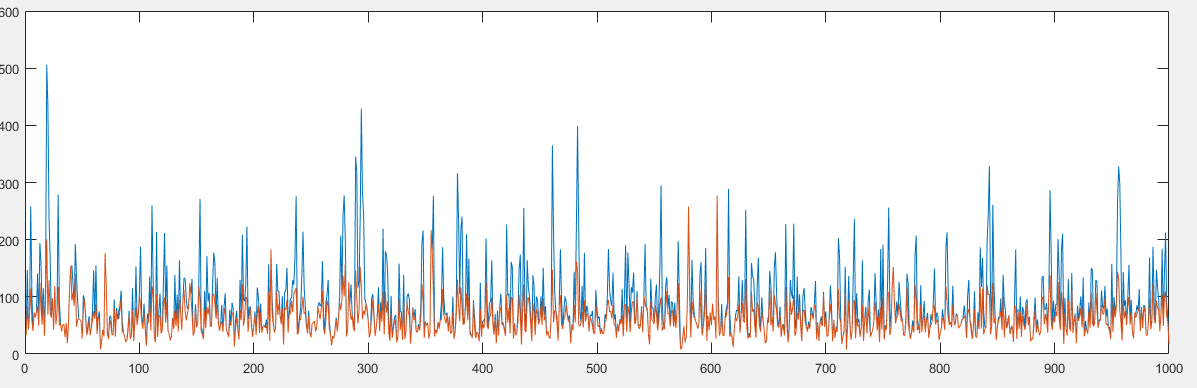


Setting: Inter-arrival rate=Uniform(180-220), basic serviceTime=Exponential(550)

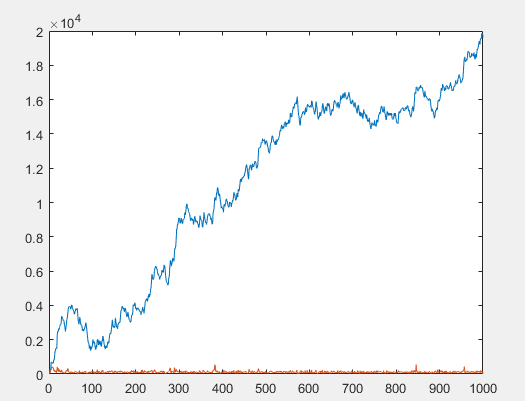
Now, for Inter-arrival rate of Uniform(70-130)



Basic serviceTime=Exponential(100)



Basic ServiceTime=Exponential(150)

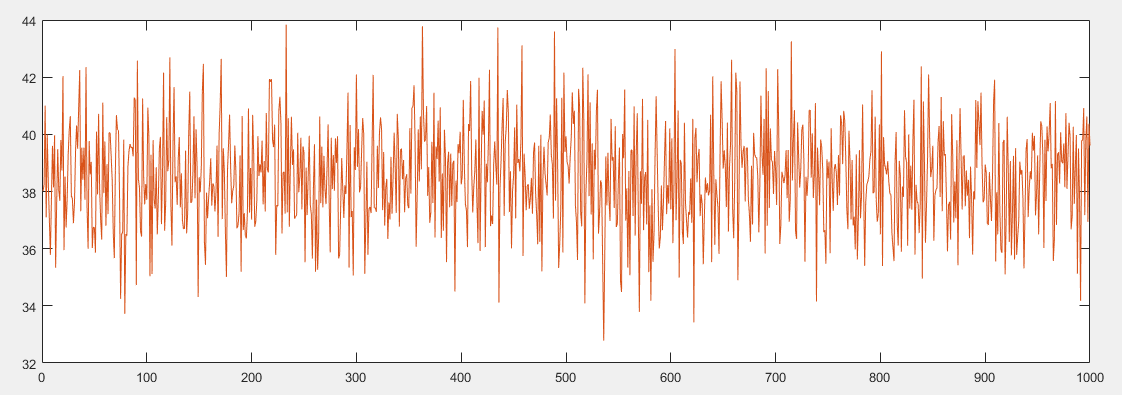
v

Basic serviceTime=Exponential(250)

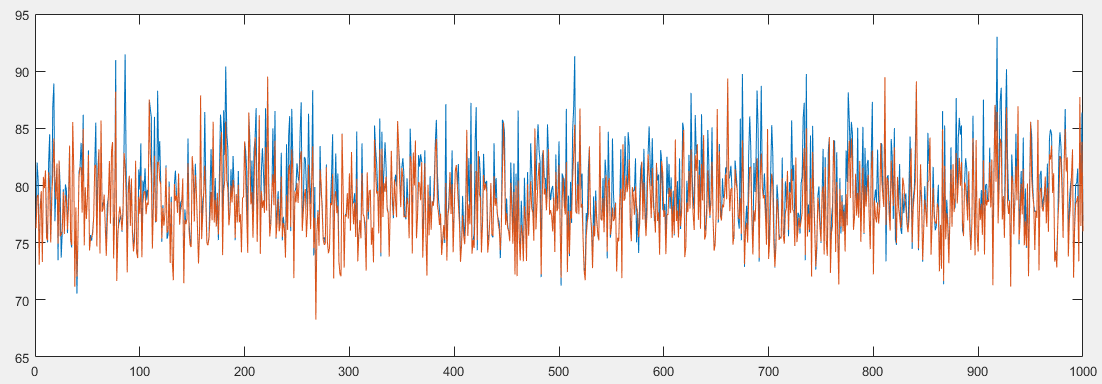
The trend is similar for various inter-arrival rates distributed uniformly.

Now, for differently distributed basic serviceTime

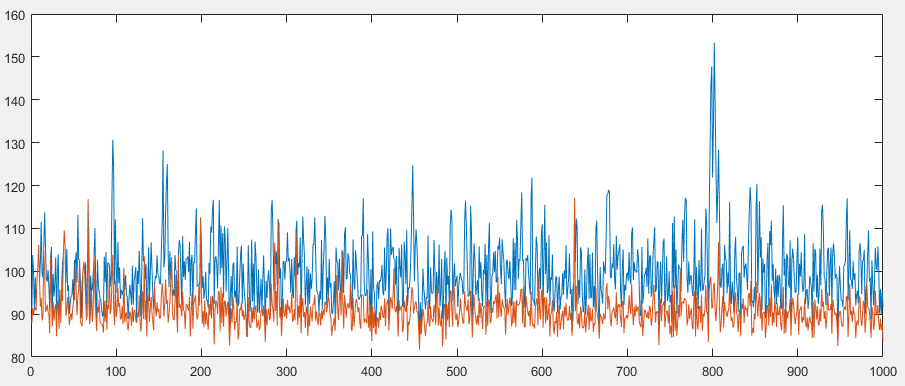
For Inter-arrival rate which is uniformly distributed as Uniform(70,130)



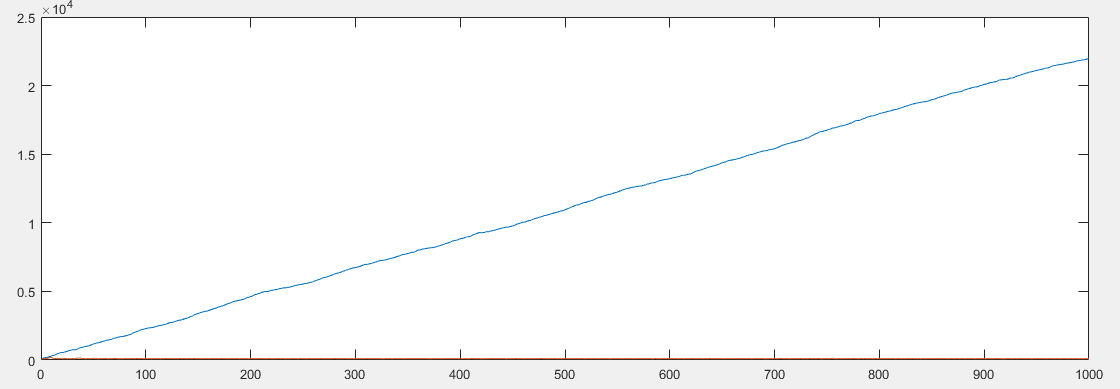
Basic ServiceTime=Erlang(100,1)



Basic ServiceTime=Erlang(200,1)

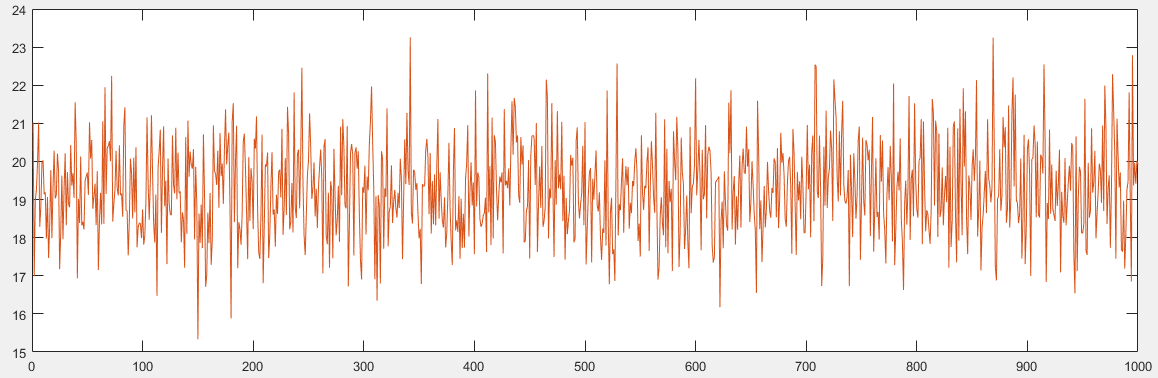


Basic ServiceTime=Erlang(230,1)

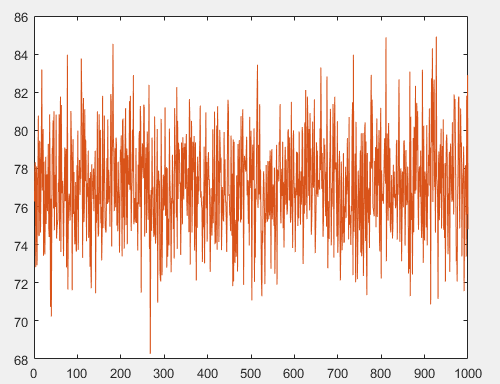


Basic ServiceTime=Erlang(250,1)

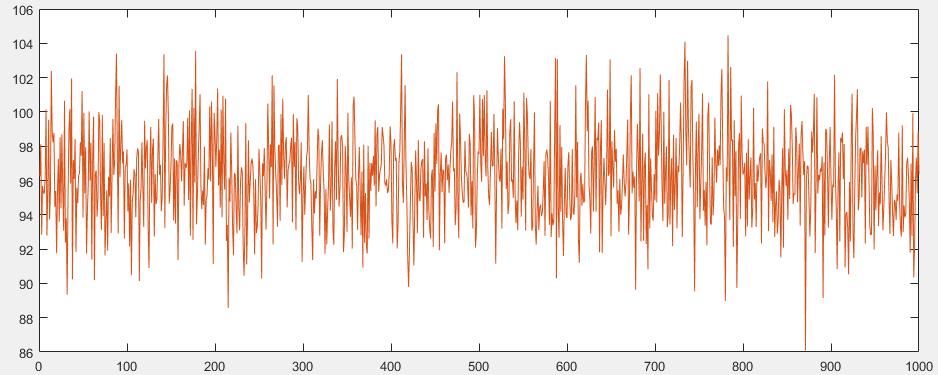
For inter-arrival rate of Uniform(170,230)



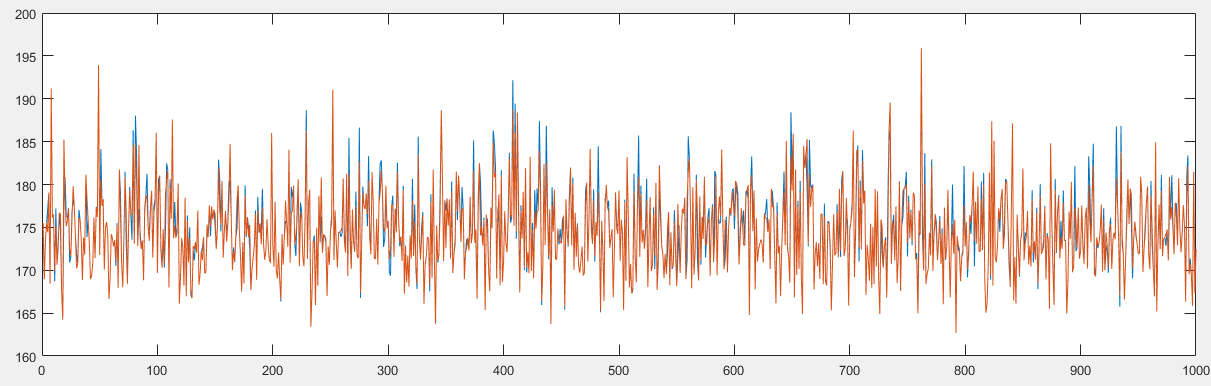
Basic ServiceTime=Erlang(50,1)



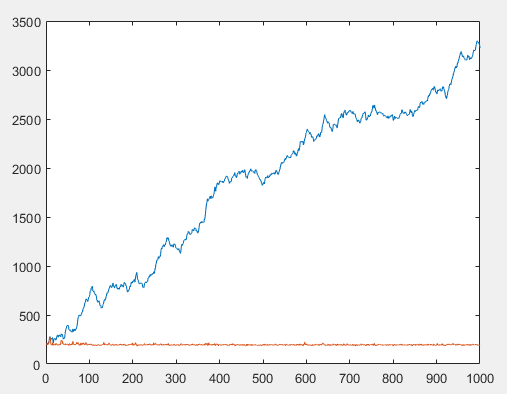
Basic ServiceTime=Erlang(200,1)



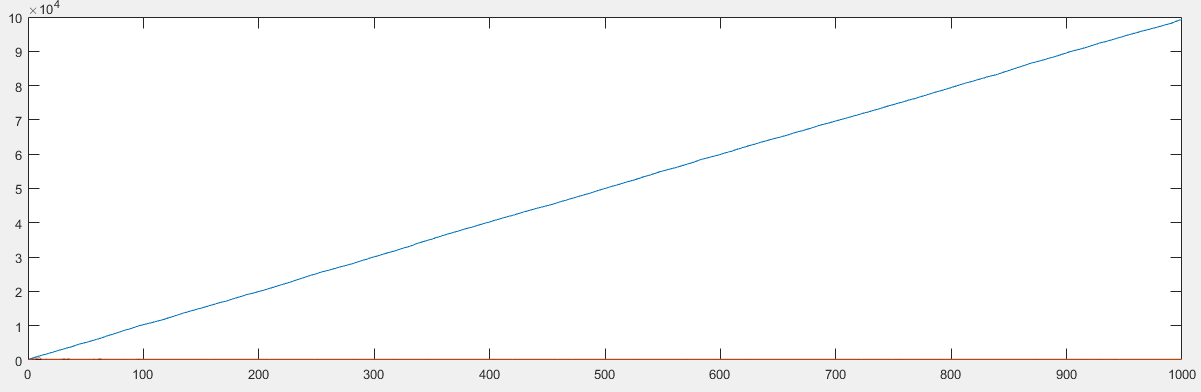
Basic ServiceTime=Erlang(250,1)



Basic ServiceTime=Erlang(450,1)

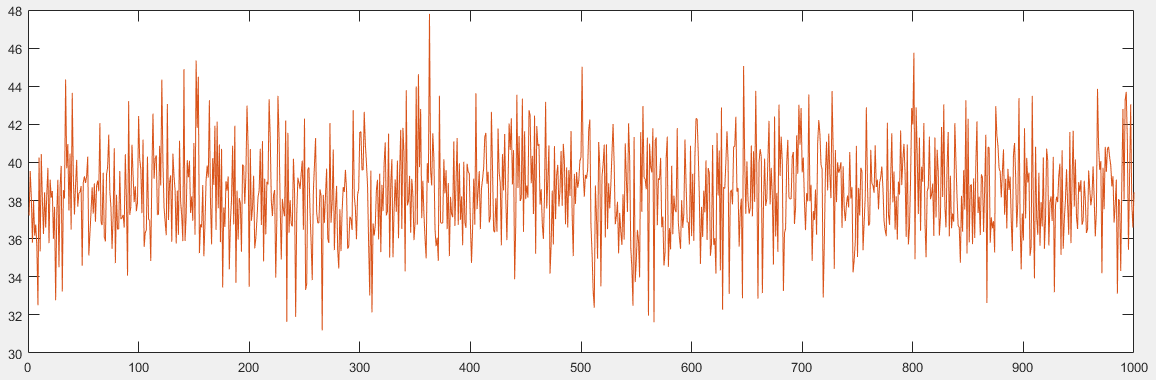


Basic ServiceTime=Erlang(500,1)

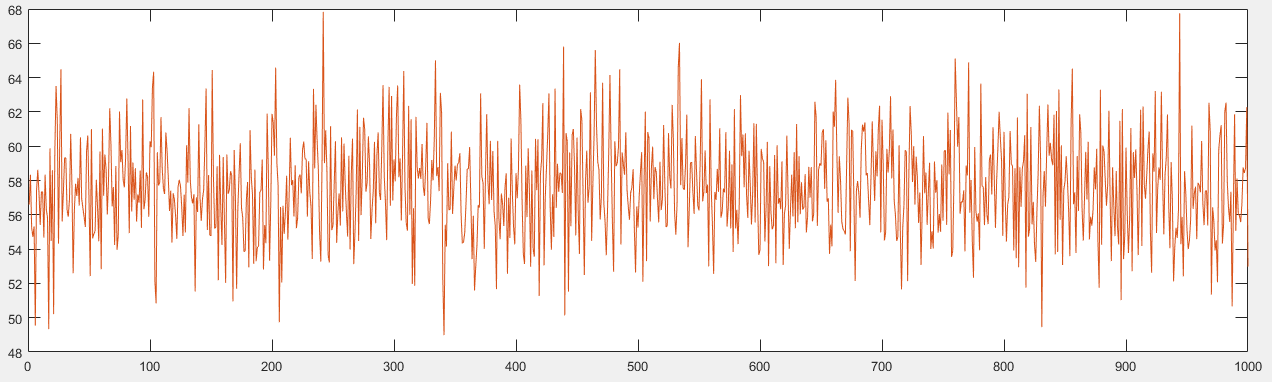


Basic ServiceTime=Erlang(550,1)

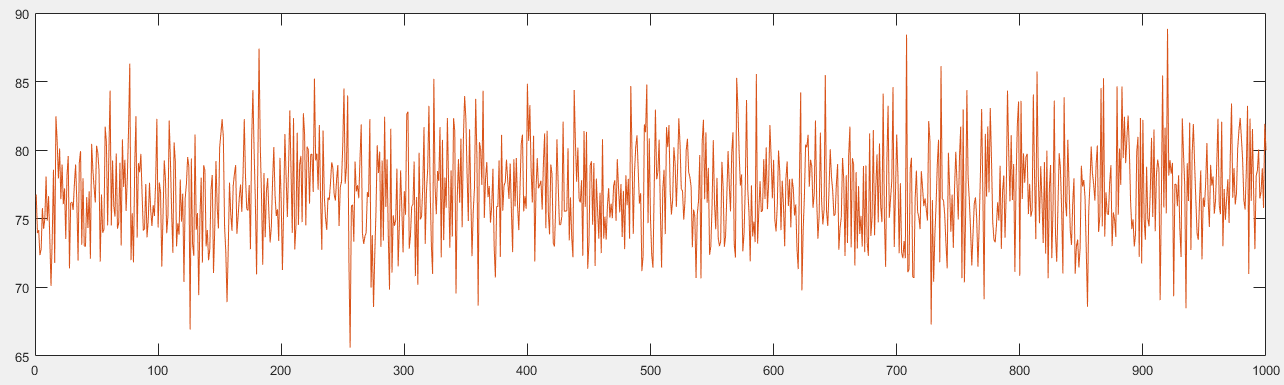
Inter-arrival rate : Uniform (170,230)



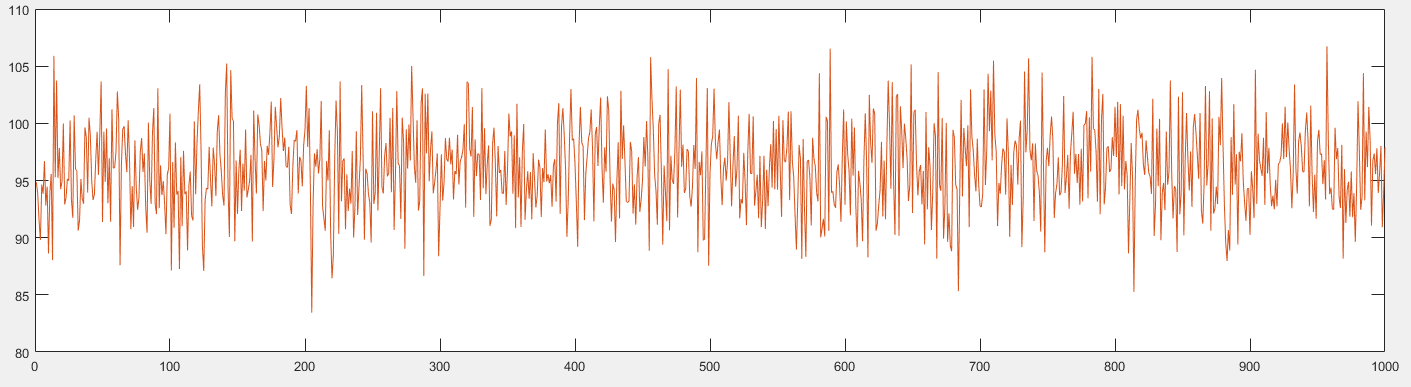
Basic ServiceTime=Chisquare(100)



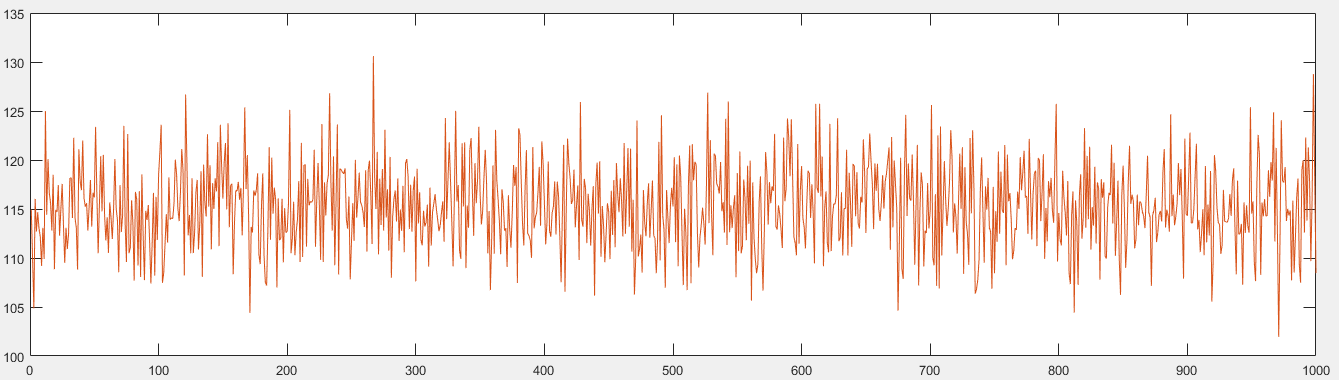
Basic ServiceTime=Chisquare(150)



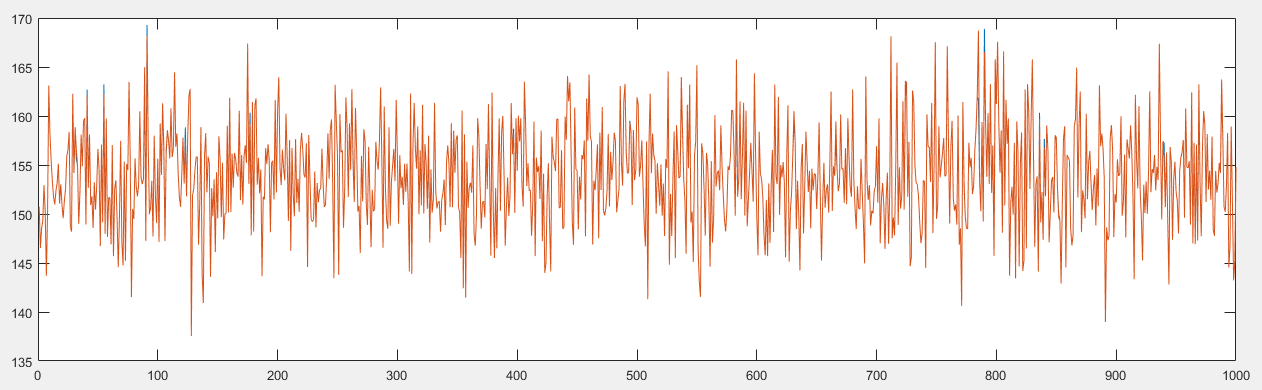
Basic ServiceTime=Chisquare(200)



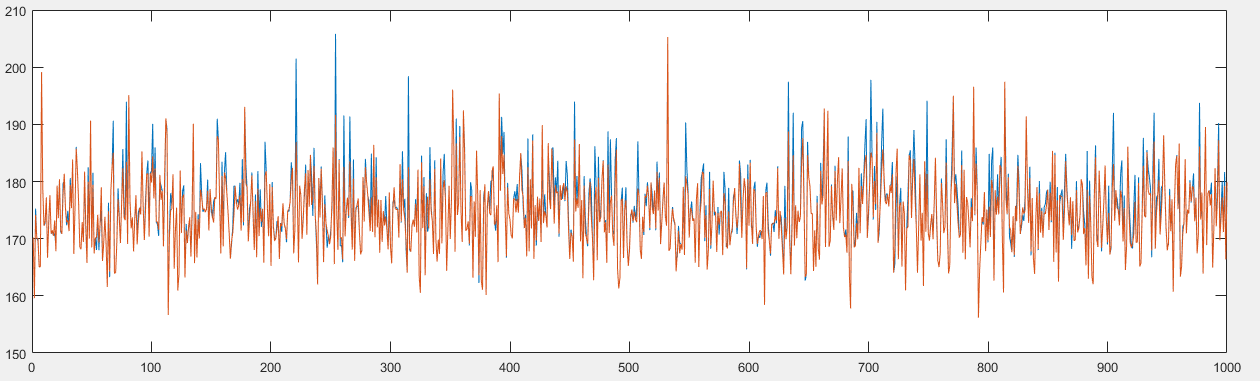
Basic ServiceTime=Chisquare(250)



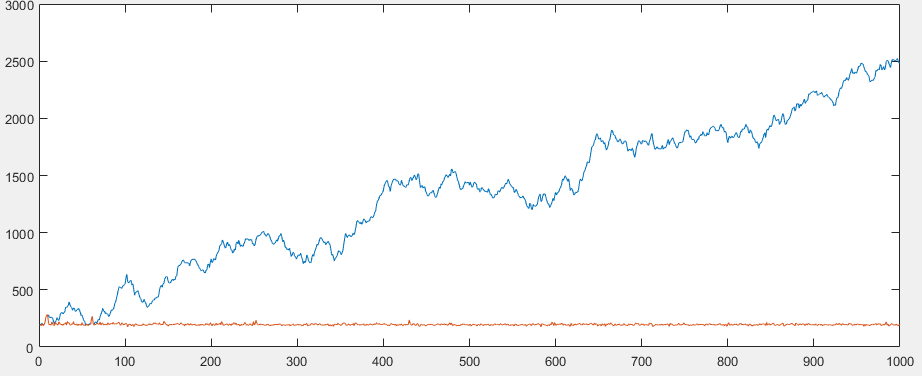
Basic ServiceTime=Chisquare(300)



Basic ServiceTime=Chisquare(400)

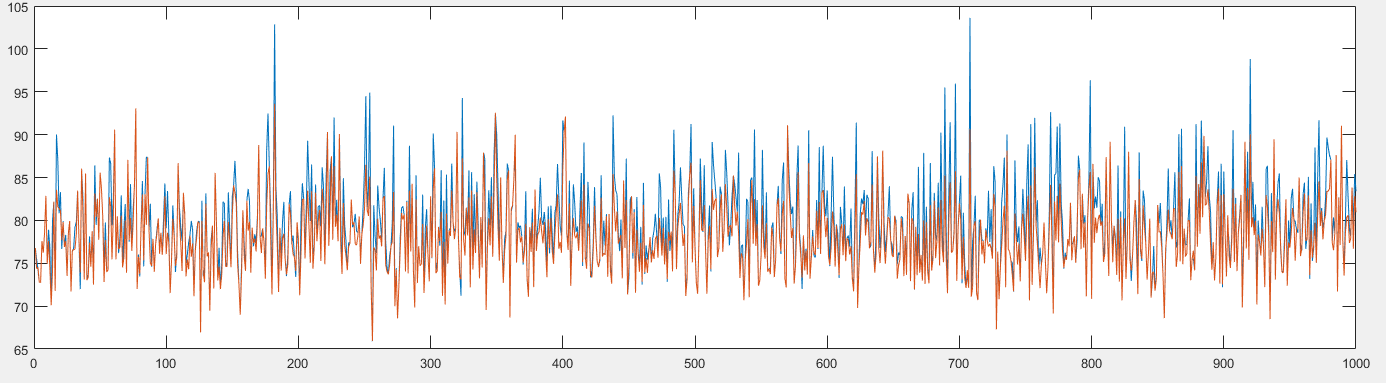


Basic ServiceTime= Chisquare(450)

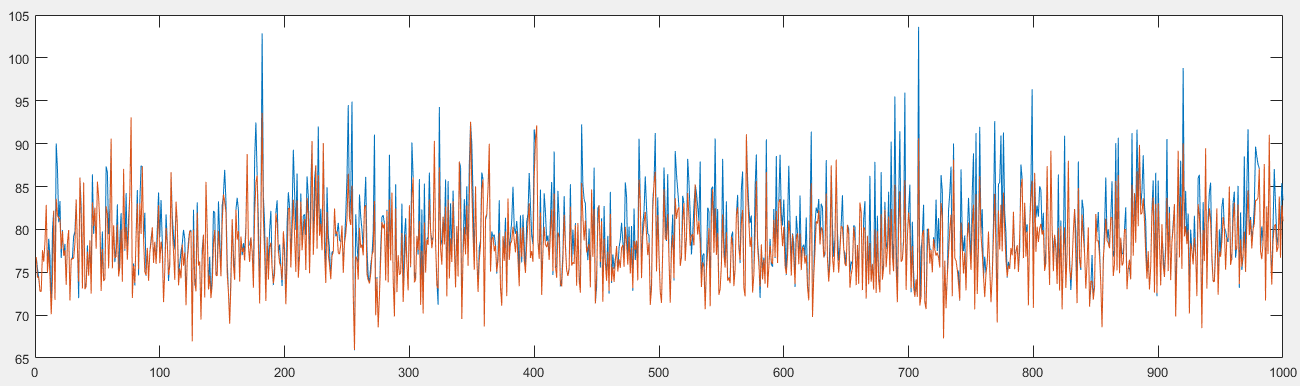


Basic ServiceTime=Chisquare(500)

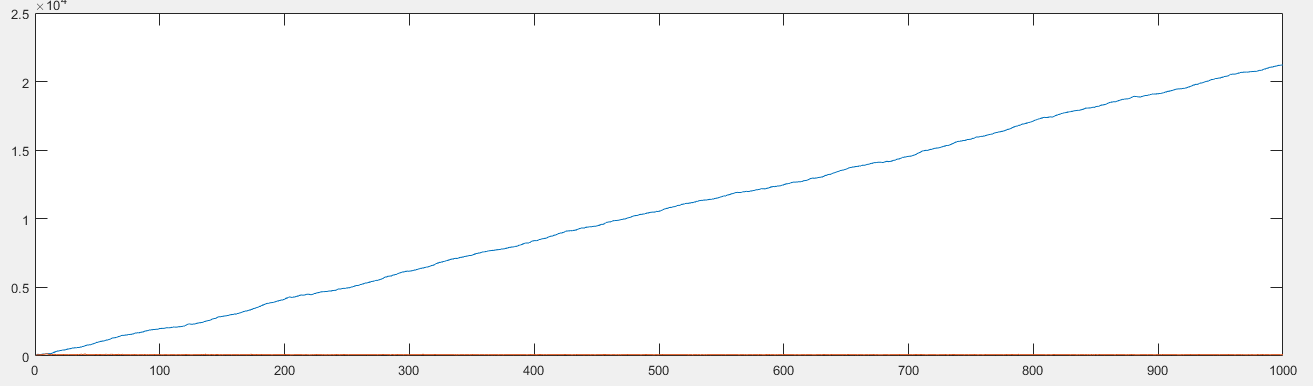
For Inter-arrival rate: Uniform(70,130)



Basic ServiceTime=Chisquare(100)



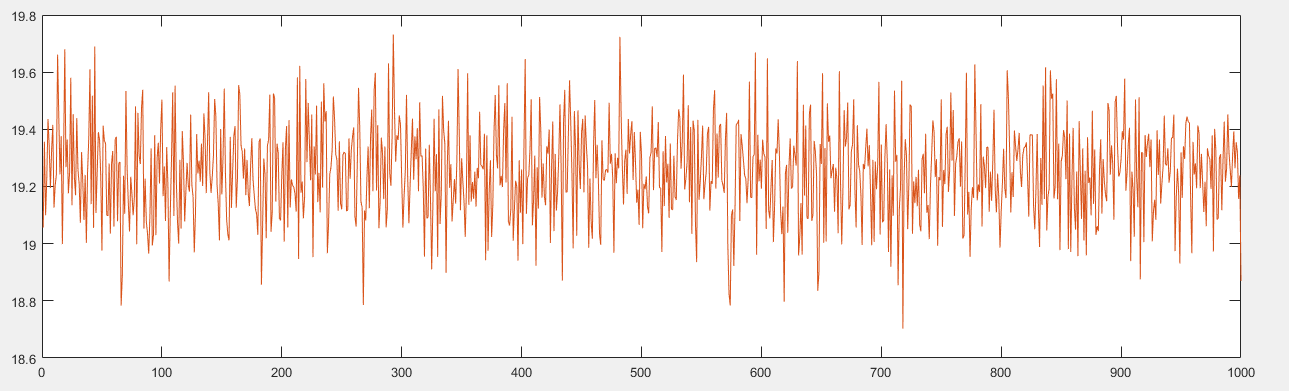
Basic ServiceTime=Chisquare(200)



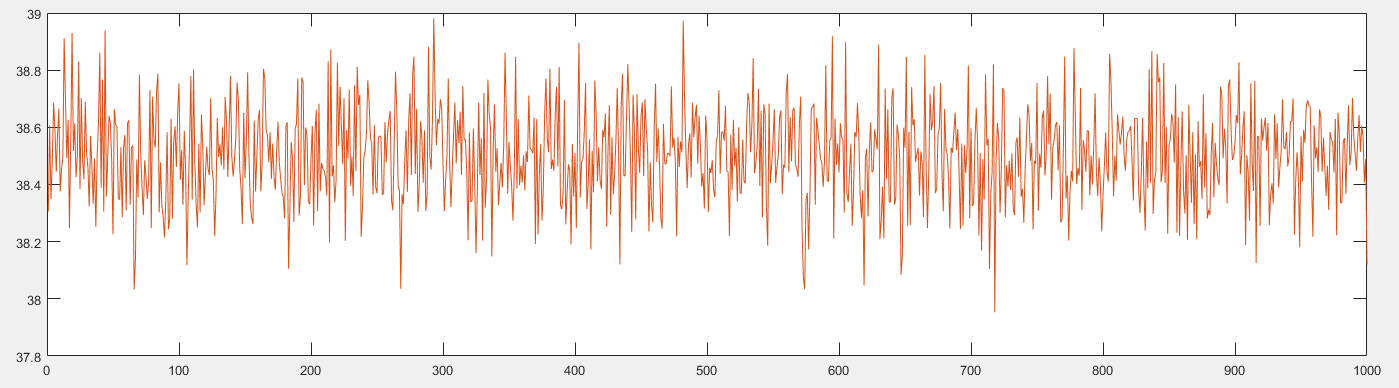
Basic ServiceTime=Chisquare(250)

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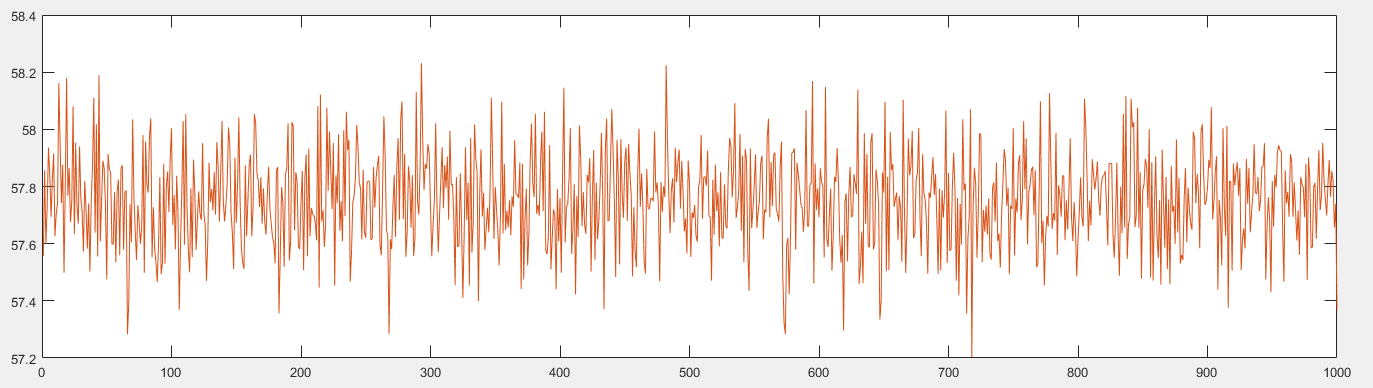
Inter-arrival rate of Uniform(170,230)



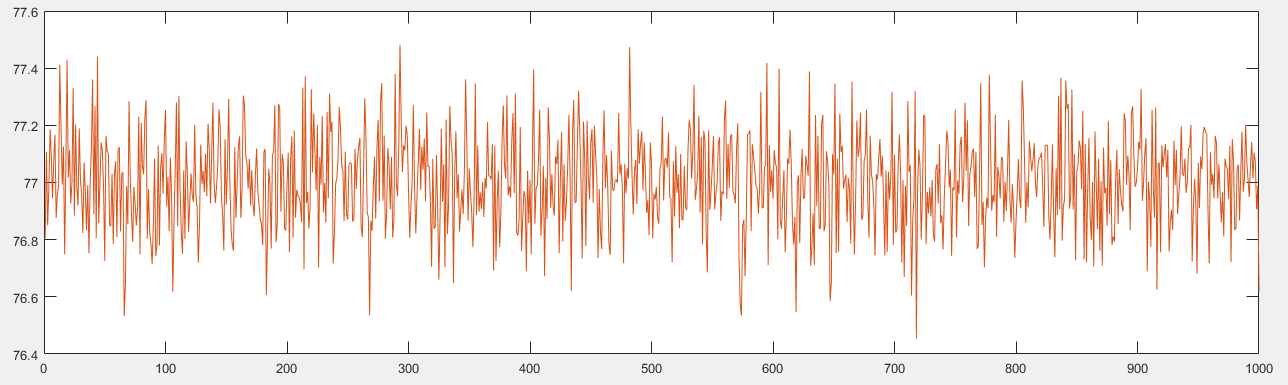
Basic ServiceTime=Normal (50,1)



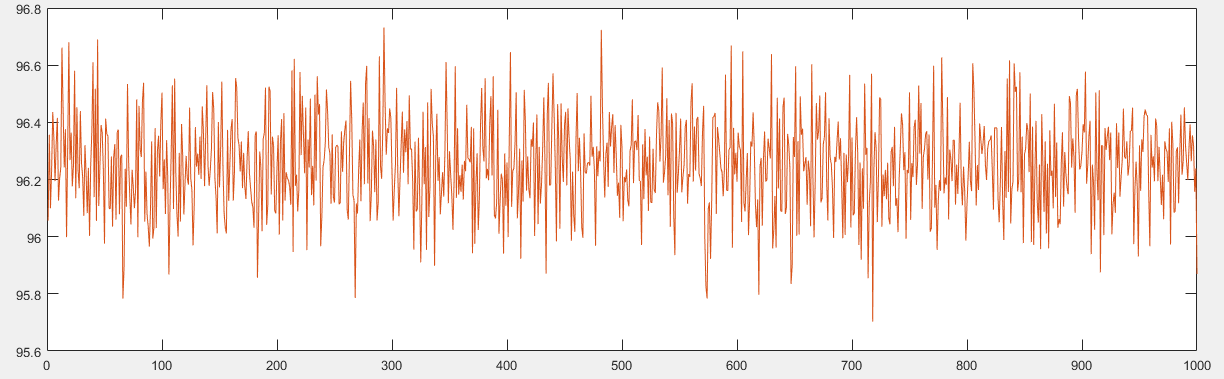
Basic serviceTime=Normal(100,1)



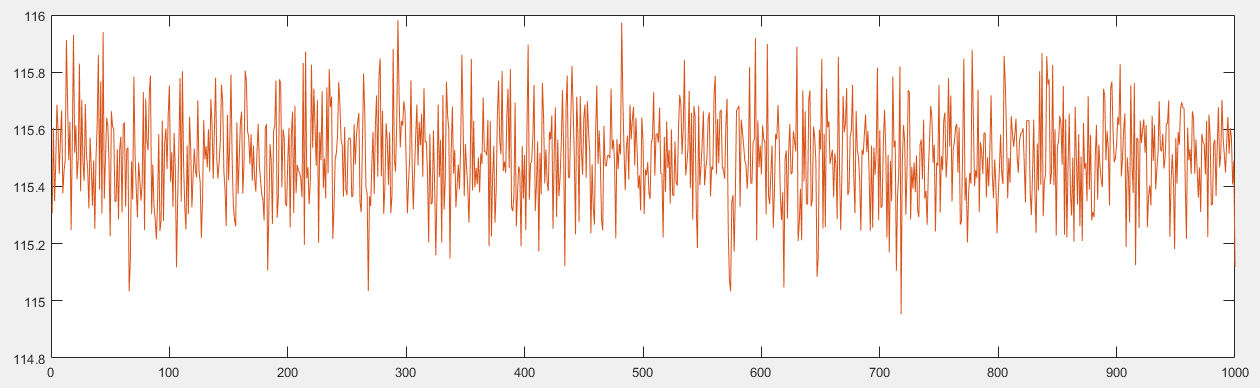
Basic ServiceTime=Normal(150,1)



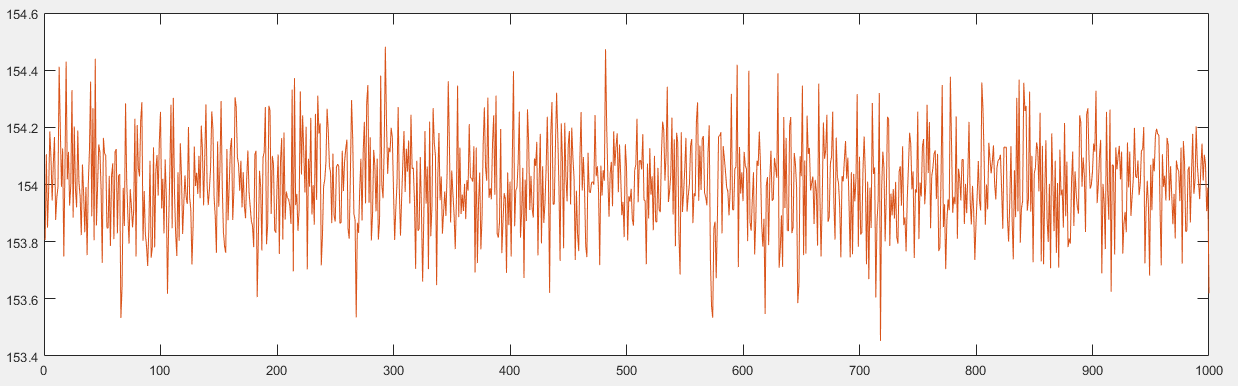
Basic ServiceTime=Normal(200,1)



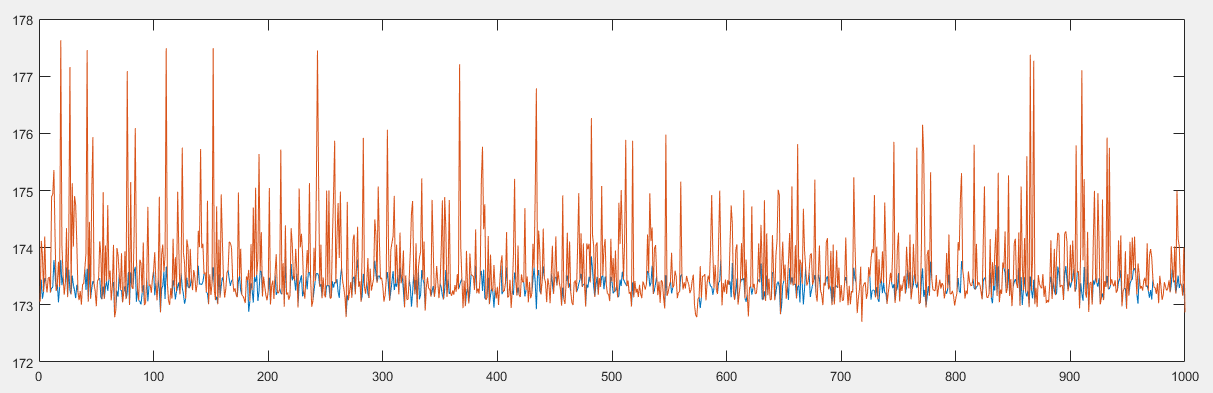
Basic ServiceTime=Normal(250,1)



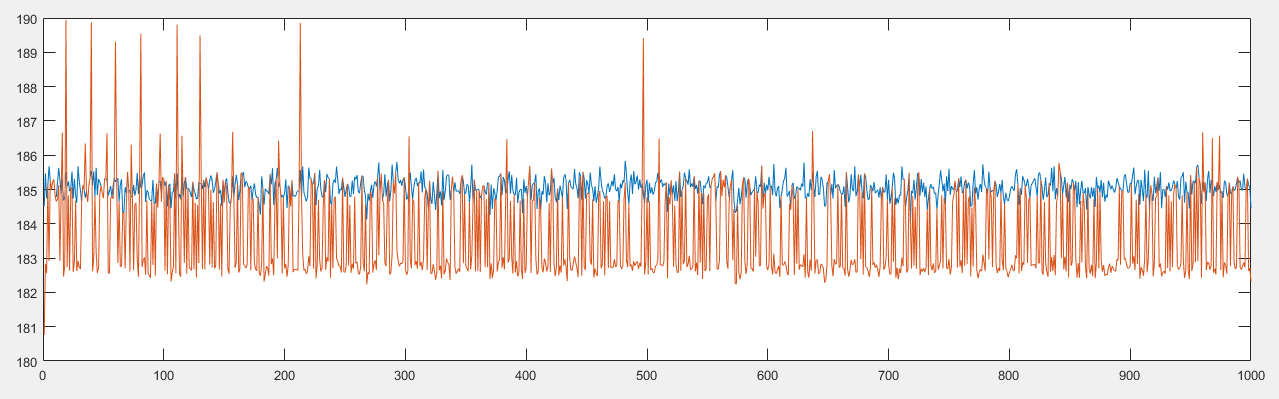
Basic ServiceTime=Normal(300,1)



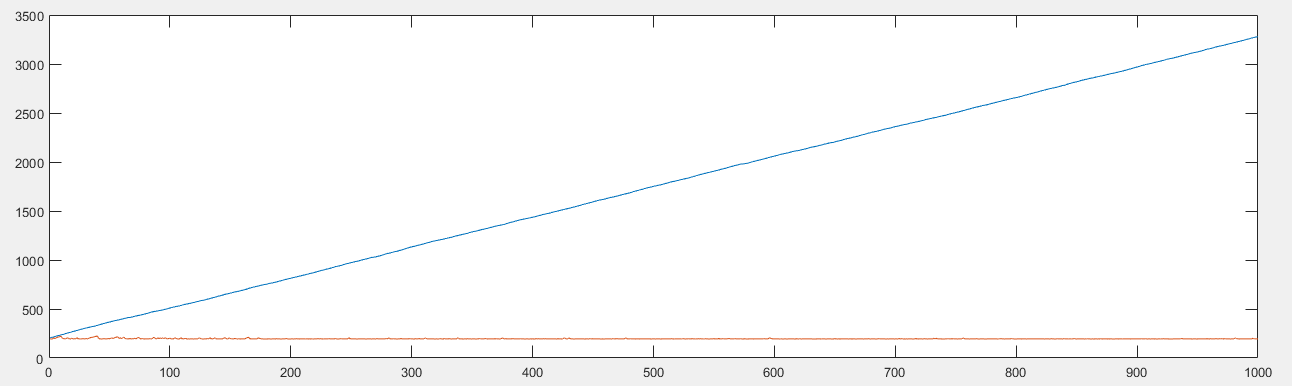
Basic ServiceTime=Normal(400,1)



Basic ServiceTime=Normal(450,1)

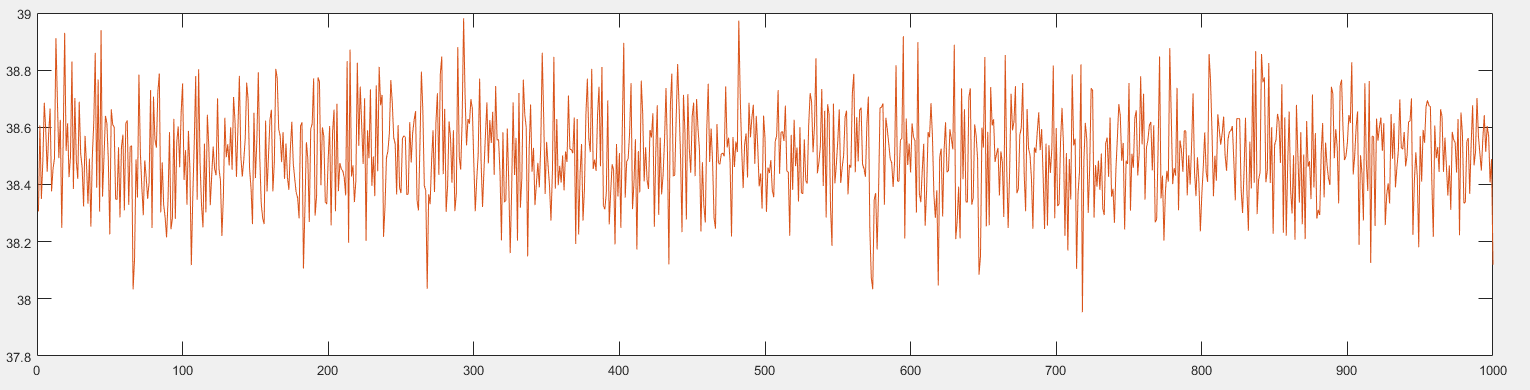


Basic ServiceTIme=Normal(470,1)

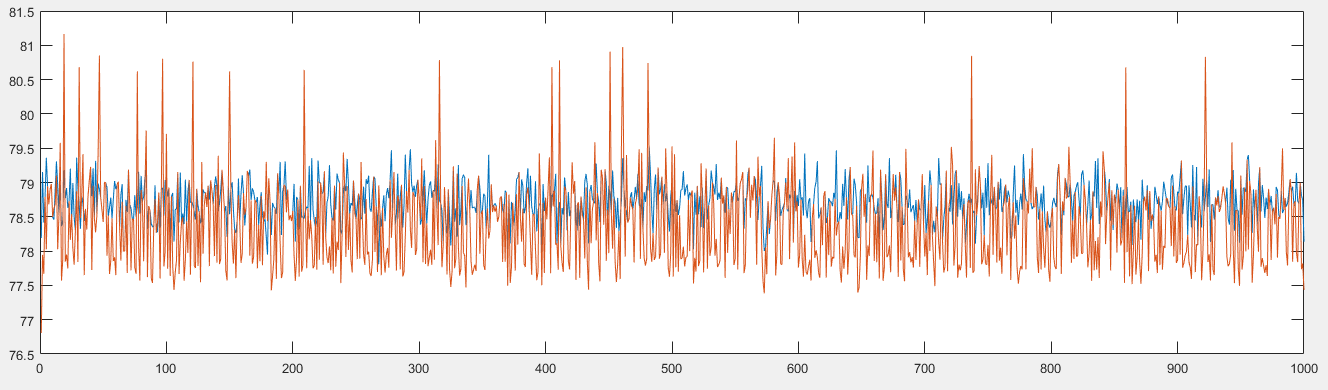


Basic ServiceTime=Normal(500,1)

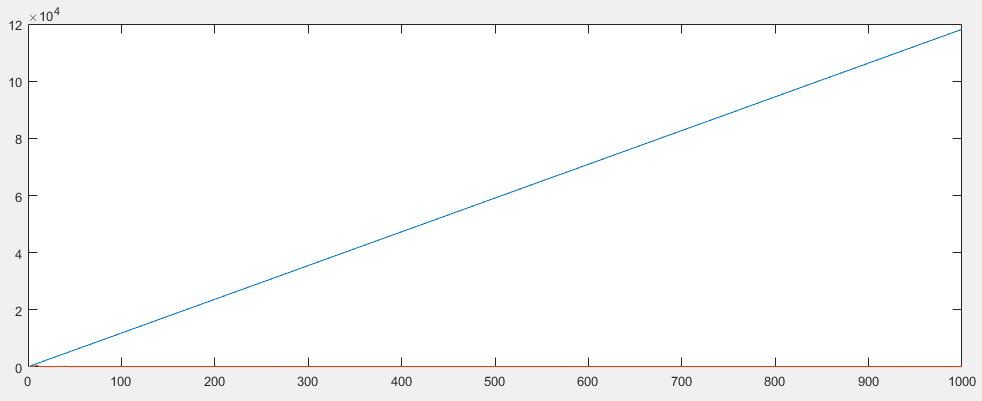
Inter-arrival Rate: Uniform(70,130)



Basic ServiceTime=Normal(100,1)

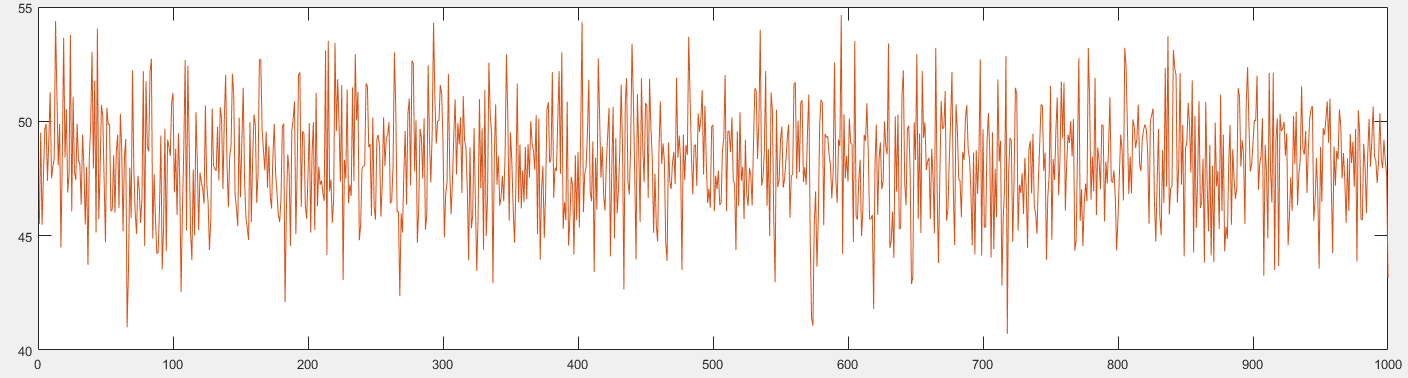


Basic serviceTime=Normal(200,1)

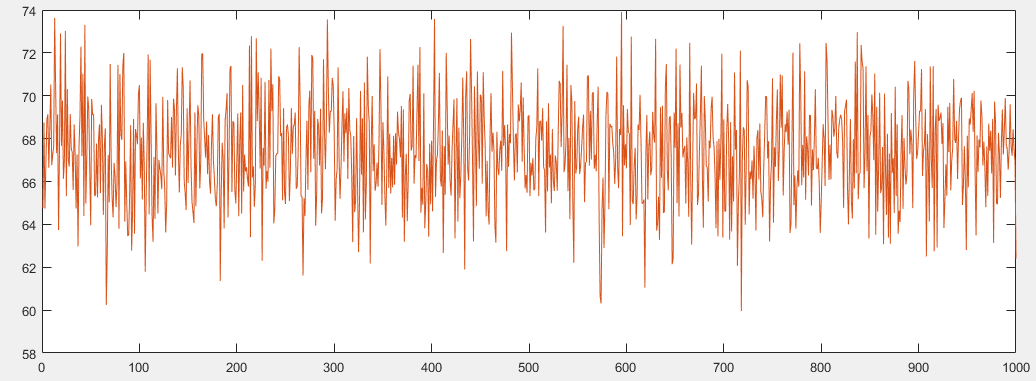


Basic ServiceTime=Normal(250,1)

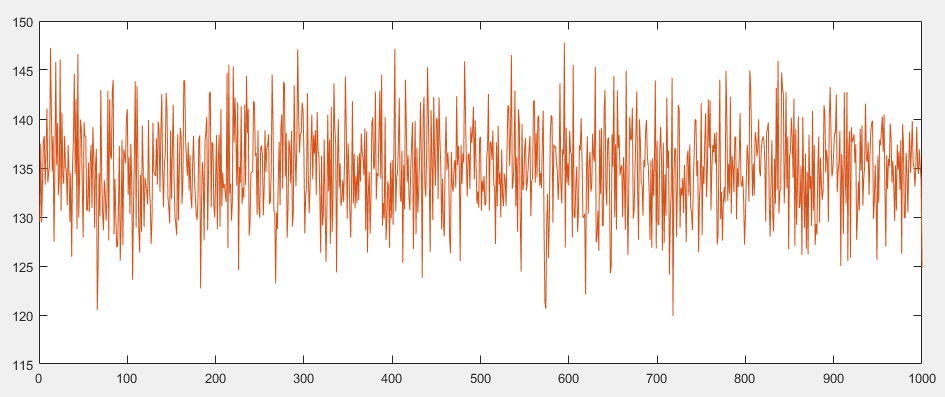
For Uniform Inter-arrival rate of (170,230)



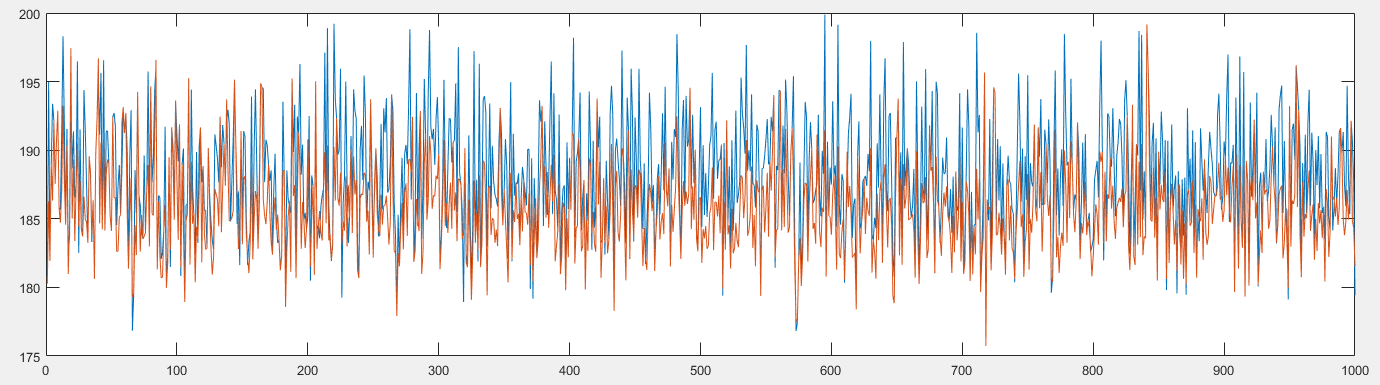
Basic ServiceTime = uniform(100,150)



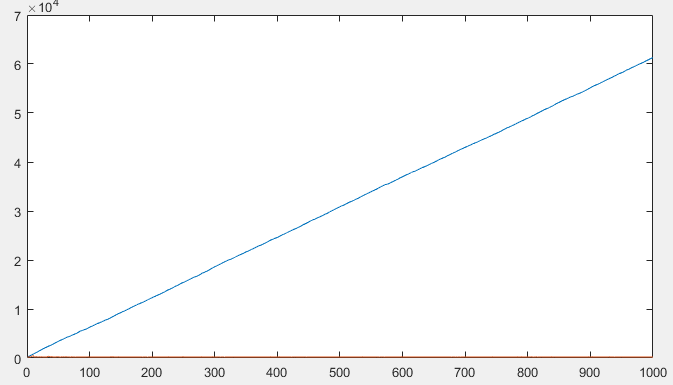
Basic ServiceTime=Uniform(150,200)



Basic ServiceTIme=Uniform(300,350)

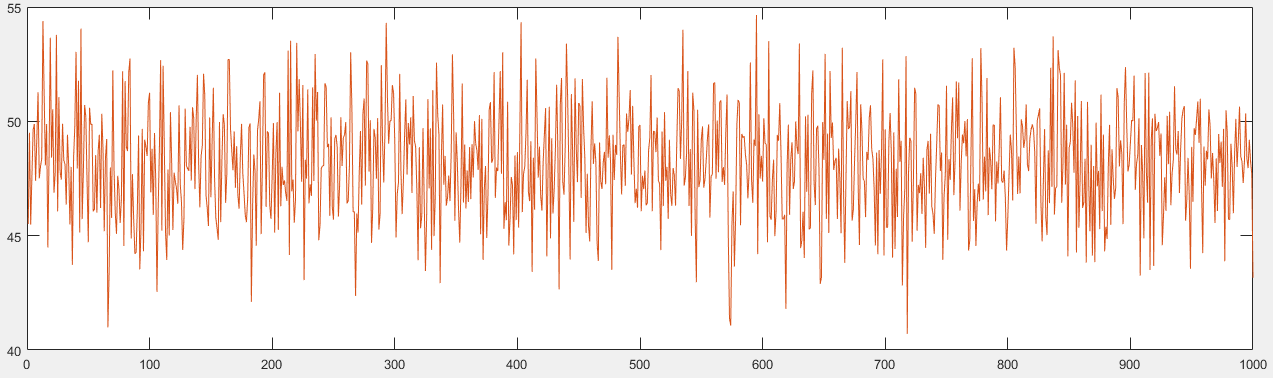


Basic ServiceTime=Uniform(450,500)

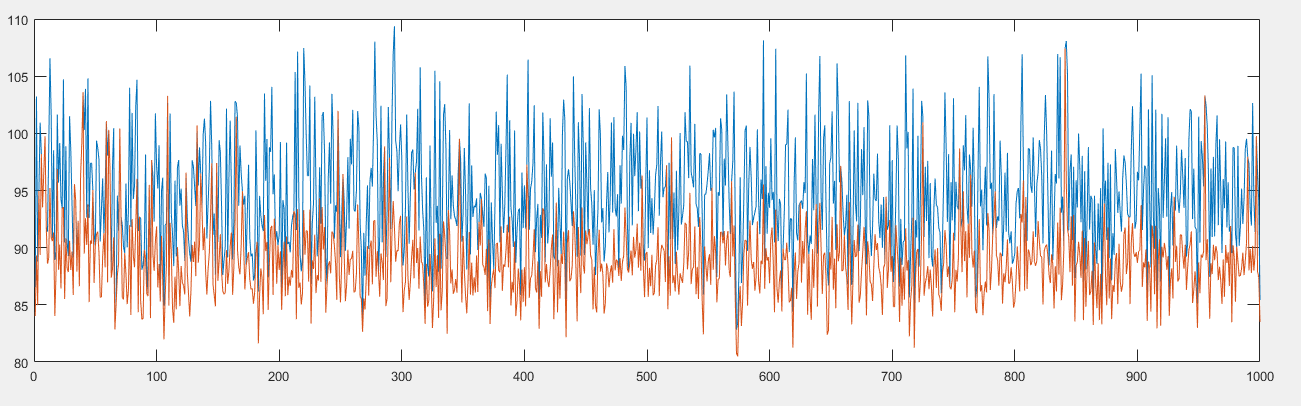


Uniform(500,560)

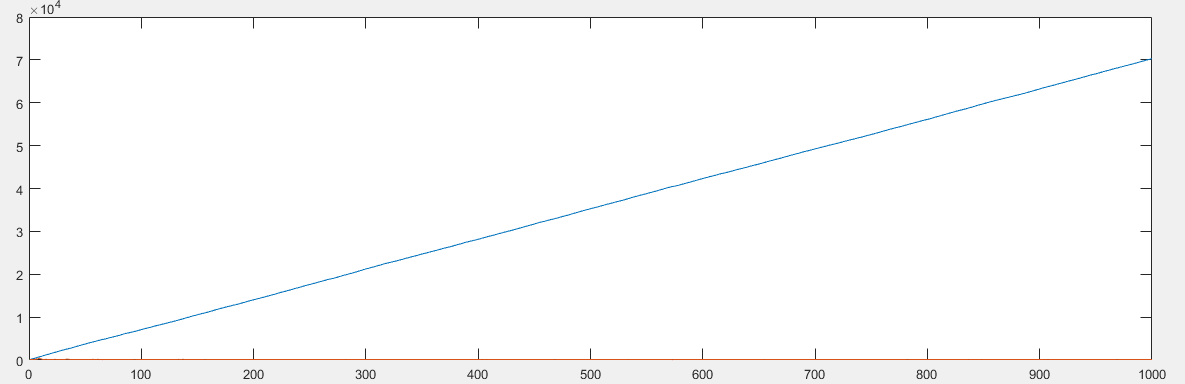
Inter-arrival rate of Uniform(70,130)



Basic ServiceTime=Uniform(100,150)



Basic ServiceTime=Uniform(200,250)



Basic ServiceTime=Uniform(250,300)