REPORT SUMMARY FOR RESULTS AND METHOD USED IN CONDUCT THE IN EXCEL SIMULATION

In the simulation of the small gift shop servicing of customers and the server idle time over a period of 3 hours, below were the results;

I run a simulation of 20 customers using RANDBETWEEN methods from Excel that generated random values for time for service and interarrival times.

I simulated the arrival times, and customer time in system for each customer.

I computed the idle time for the server for each successive customer.

I then used What-if analysis in the Data Tables from Excels to create 50 replications of the simulation, a Used a separate set of random values for each simulation and got multiple runs of the simulation and got the average customer time in the system, and the idle time for the server varies.