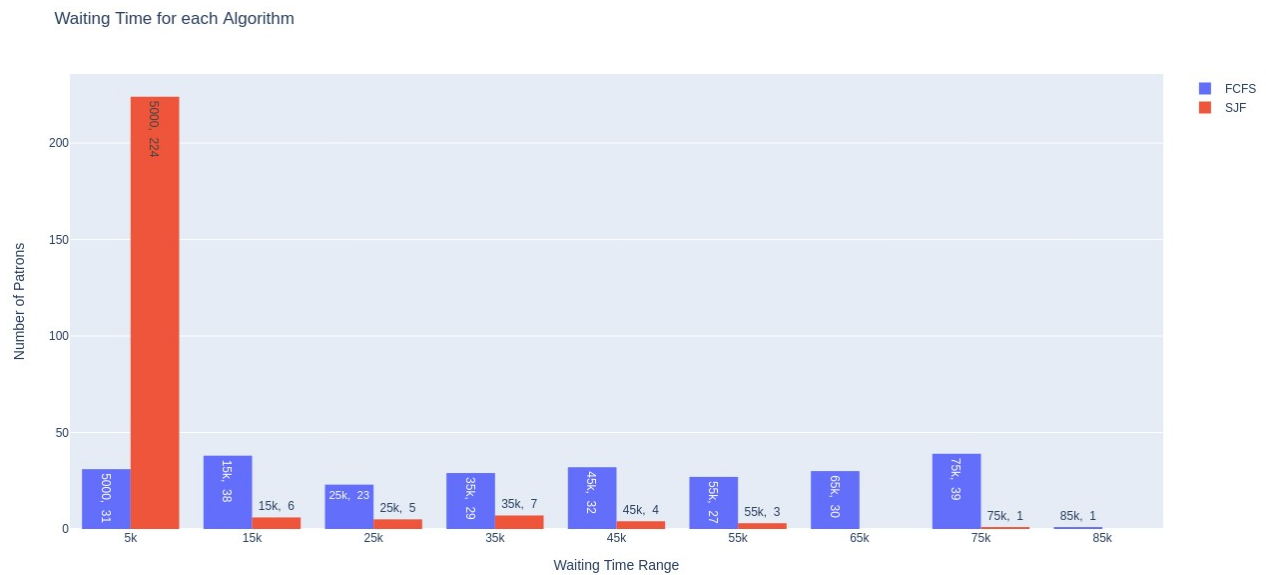


## Waiting Time

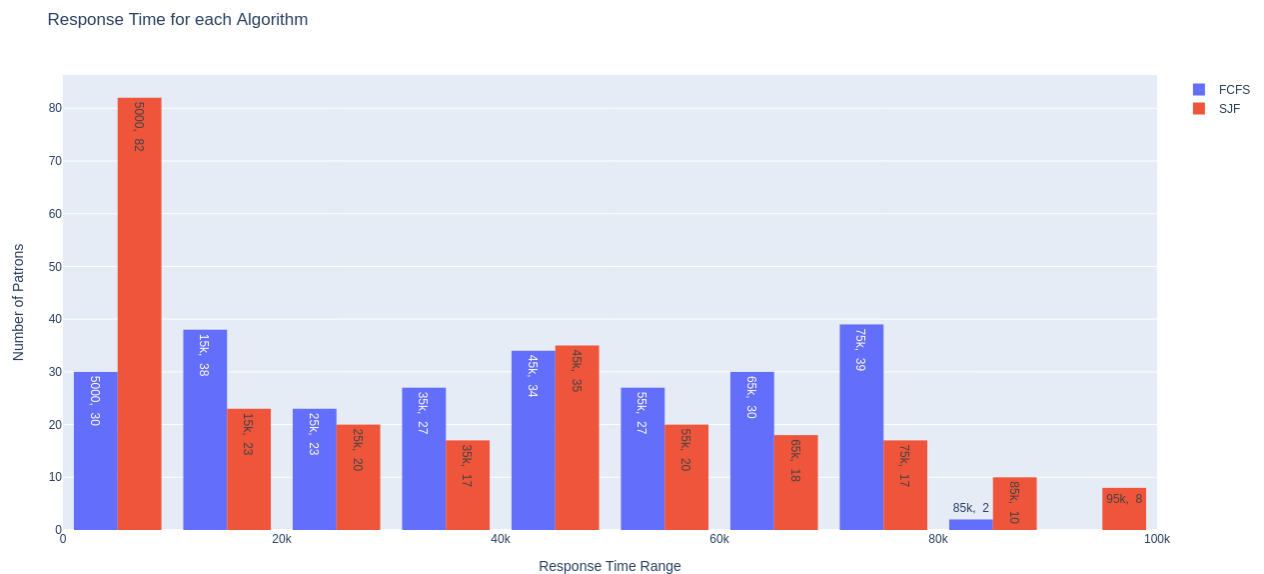


For a First Come First Serve algorithm, due to the fact Andre, the barman, serves one patron till their order is complete, other patrons have to wait, and that lengthens the waiting time of other patrons.

For the Shortest Job First algorithm, Andre does not have to serve one patron per order, therefore, that shortens the waiting time.

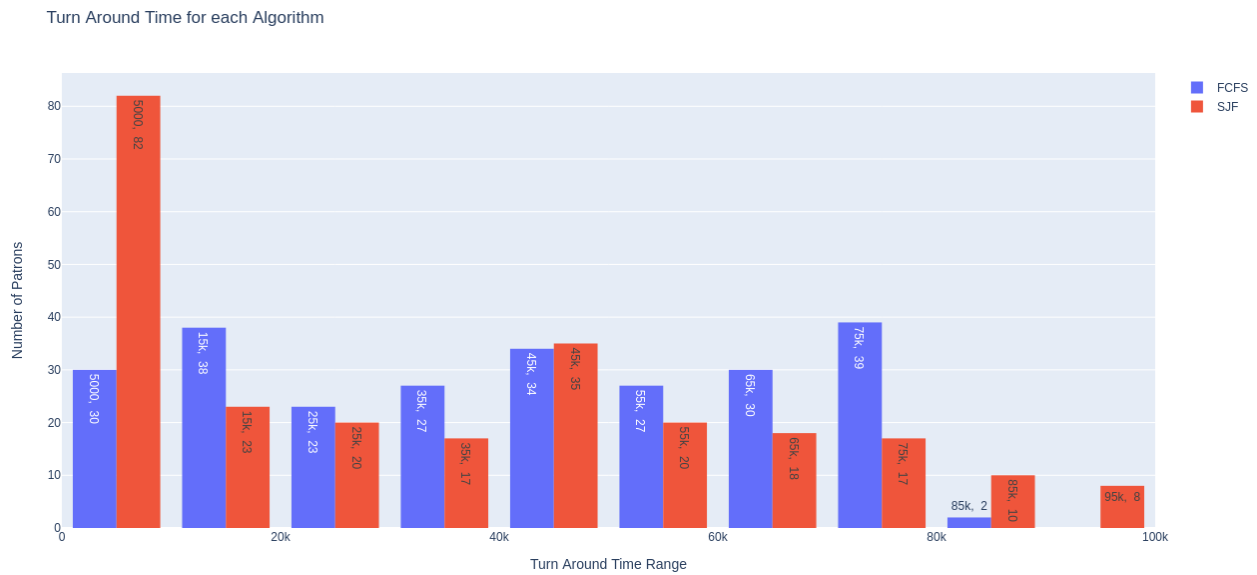
224/250 patrons waited for less than 5000ms before their order is worked upon.

## Response Time



Using the SJF algorithm, patrons had their first drink faster compared to FCFS, however the data is almost the same, but there's slight difference.

## Turn Around Time



82/250 patrons had their order complete within 5000 ms whereas for FCFS, 30/250 patrons had their order complete within 5000ms, however, 8/250 patrons had their order complete after about 95 000 ms for SJF.

## Throughput

SJF: 8730 Patrons/hr

FCFS; 8453 Patrons/hr

SJF serves at a faster pace.

## Average Values

Metric	SJF	FCFS
Turn Around Time	32 956	41 164
Waiting Time	3 726	40 738
Response Time	32 956	41 164

## Conclusion

SJF beats FCFS in every metric in terms of efficiency, especially in waiting time metric, therefore SJF is the best schedule for Andre.