

CS3100 - Scheduling, The Saga Continues

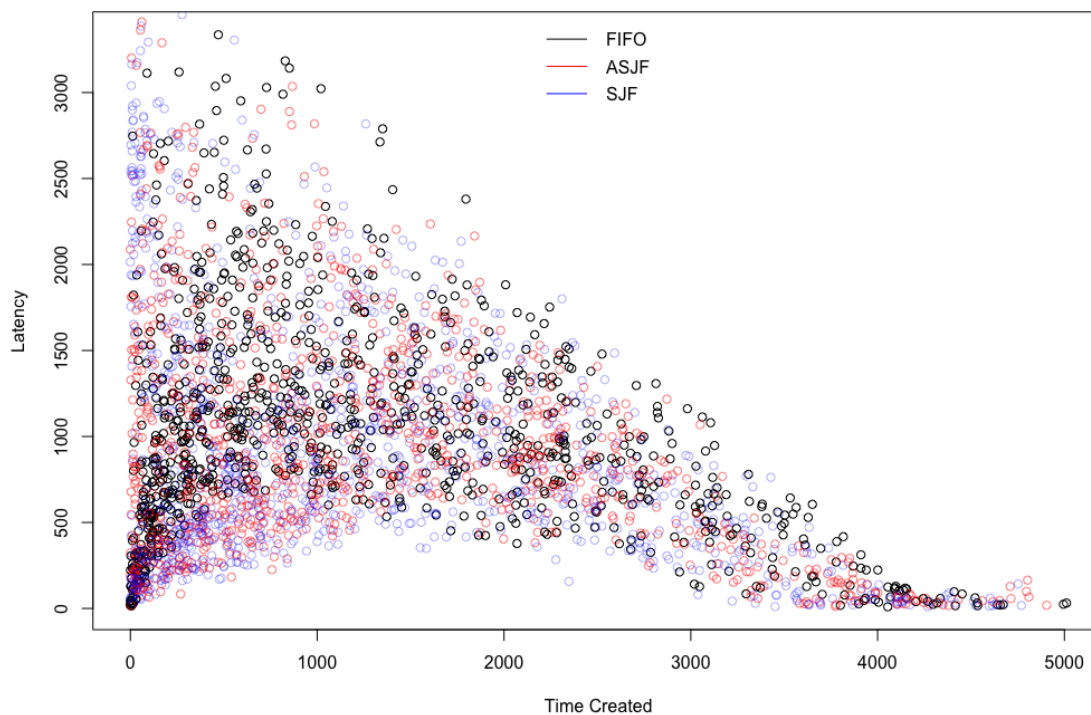
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Hypothesis

I hypothesize that using a geometric mean as my heuristic for ASJF will have a very similar effect on latency as SJF. To test this hypothesis I will keep all variables constant and compare the latency of SJF, ASJF, and FIFO.

Data



Conclusion

As seen in the scatter plot above the ASJF with a geometric mean and SJF have far more tasks with a lower latency, in the stable state of the simulation (0-2000), than FIFO. Also observe that ASJF has a very similar distribution to that of SJF. With FIFO as the control, I claim that using a geometric mean as a heuristic for ASJF will produce results very close to SJF.