

How Object Model and Its Implementation Impact Performance of Big Data Systems: A Controlled Experimental Study

Saeed Fathollahzadeh^{1,*}

^aConcordia University, Montreal, QC, Canada

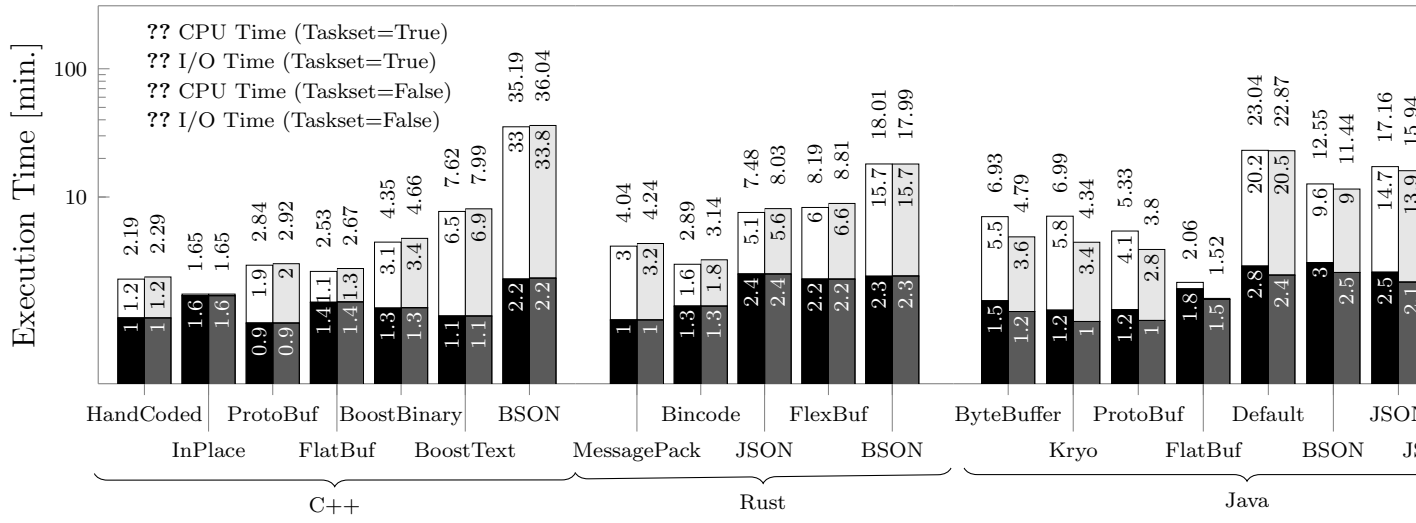


Figure 1: Experiment2: Sequential Read times for 10M Tweet Objects (Single)

*Corresponding author

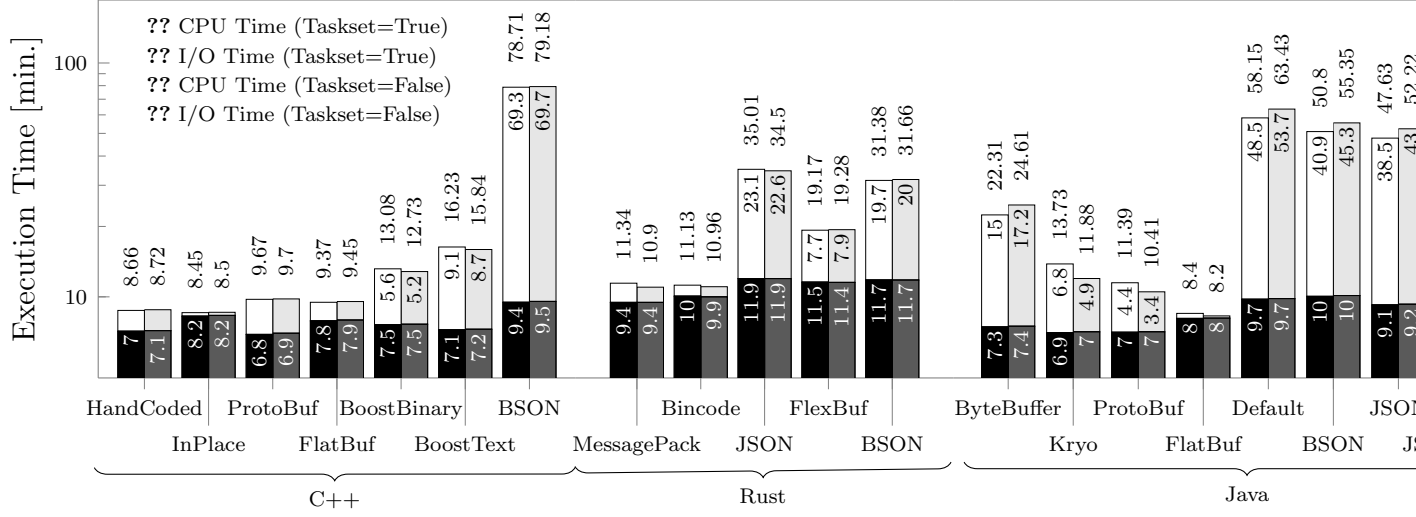


Figure 2: Experiment2: Random Read times for 10M Tweet Objects (Single)

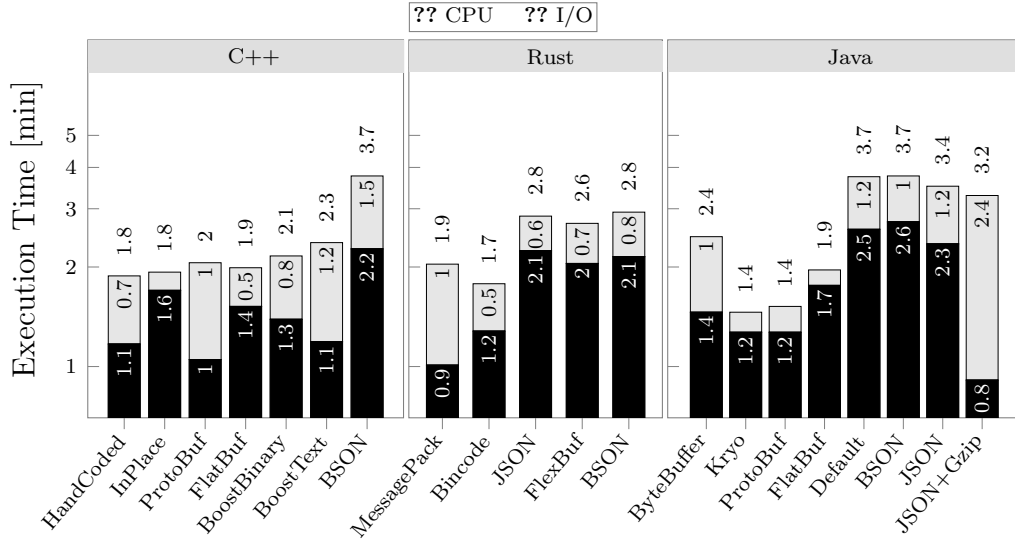


Figure 3: Experiment2: Sequential Read times for 10M Tweet Objects (Parallel)

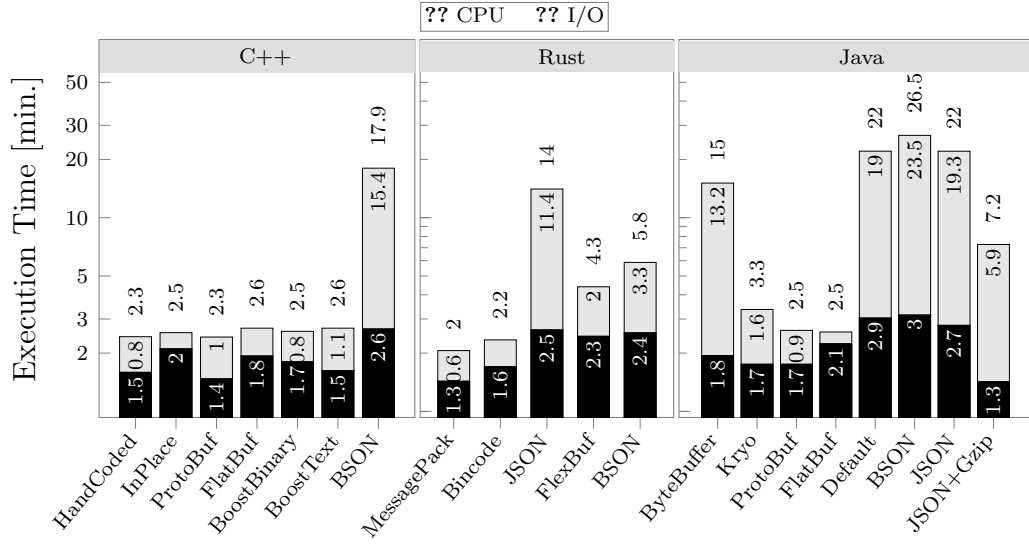


Figure 4: Experiment2: Random Read times for 10M Tweet Objects (Parallel)

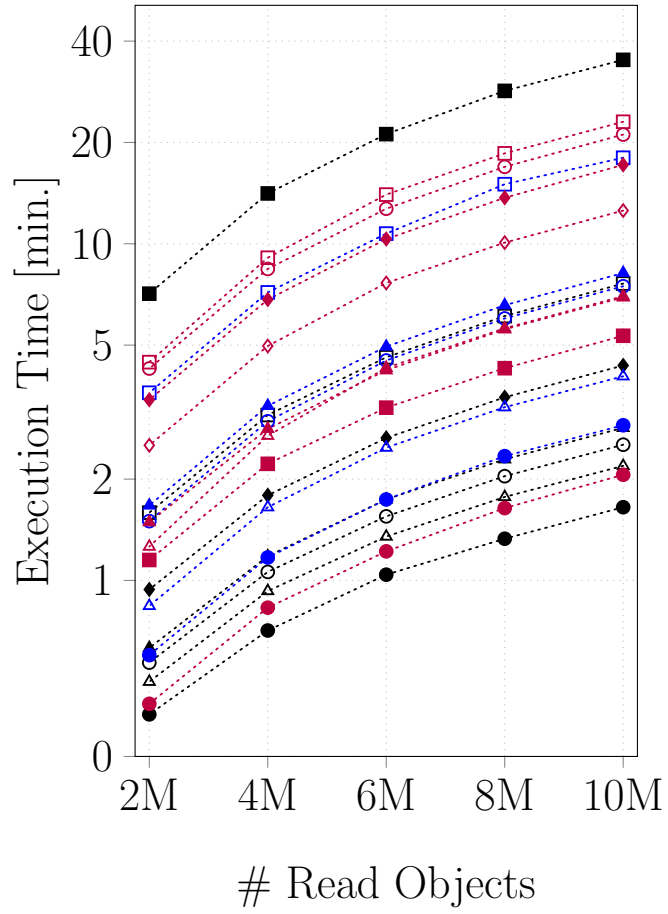


Figure 5: Experiment2:Taskset = True (Single)

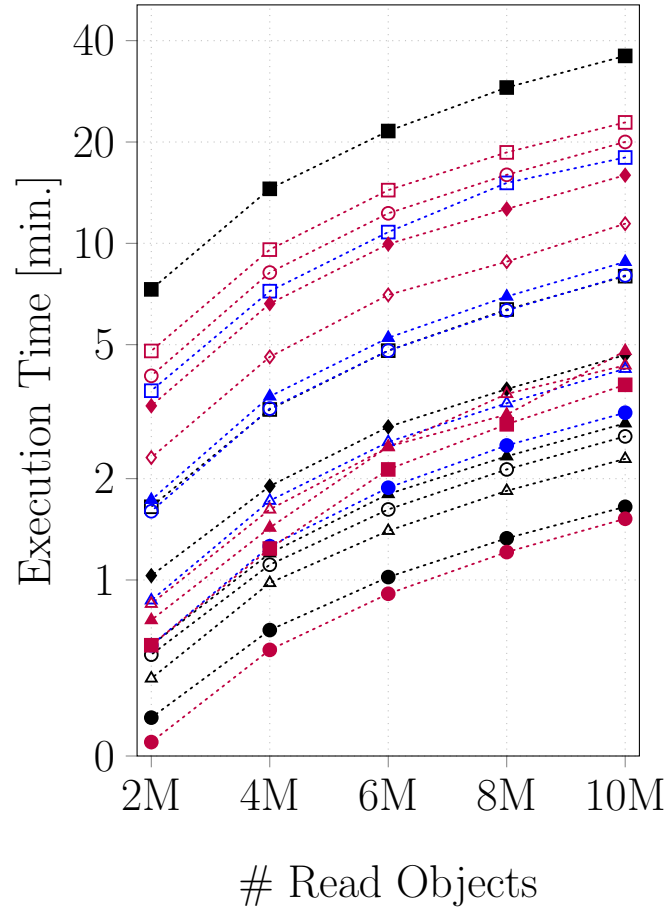


Figure 6: Experiment2:Taskset = False (Single)

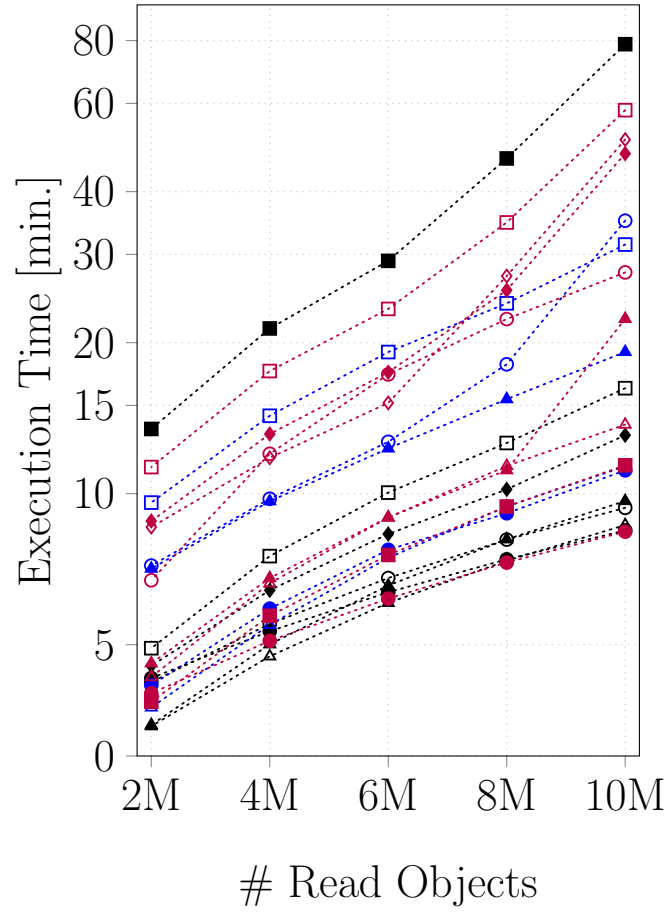


Figure 7: Experiment2:Random Taskset = True (Single)

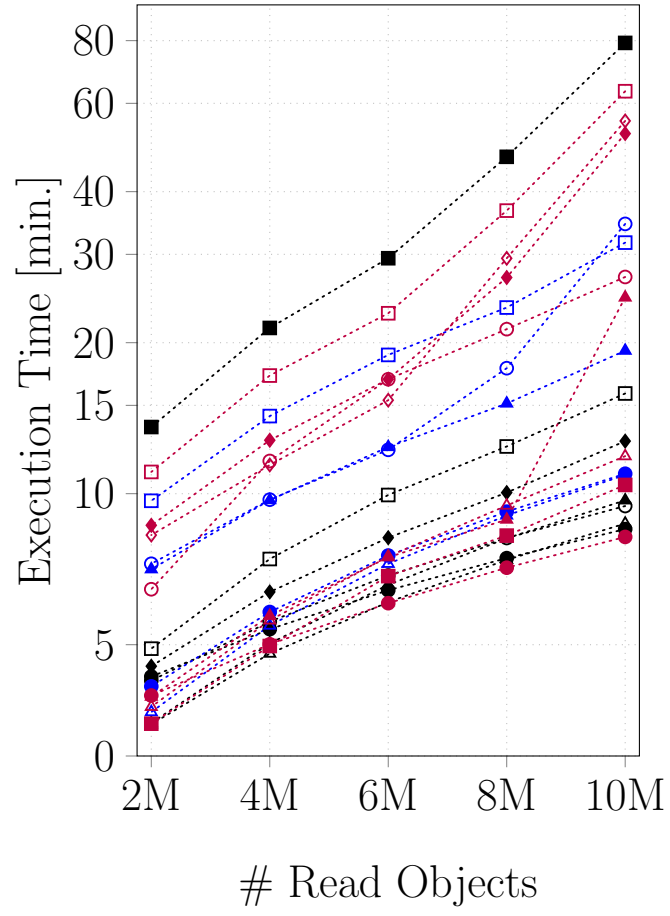


Figure 8: Experiment2:Random Taskset = False (Single)

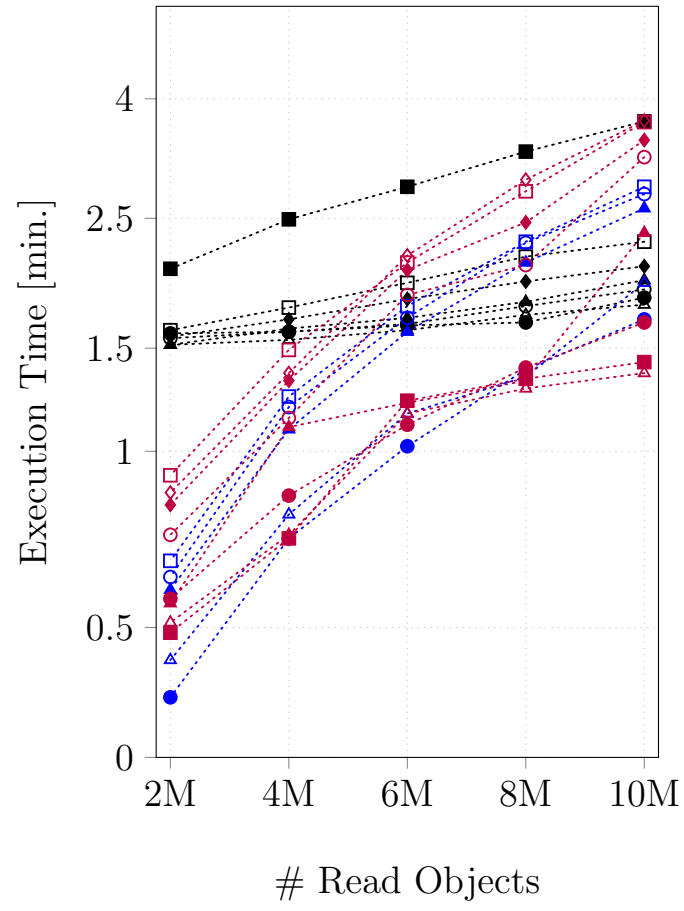


Figure 9: Experiment2:Seq (Parallel)

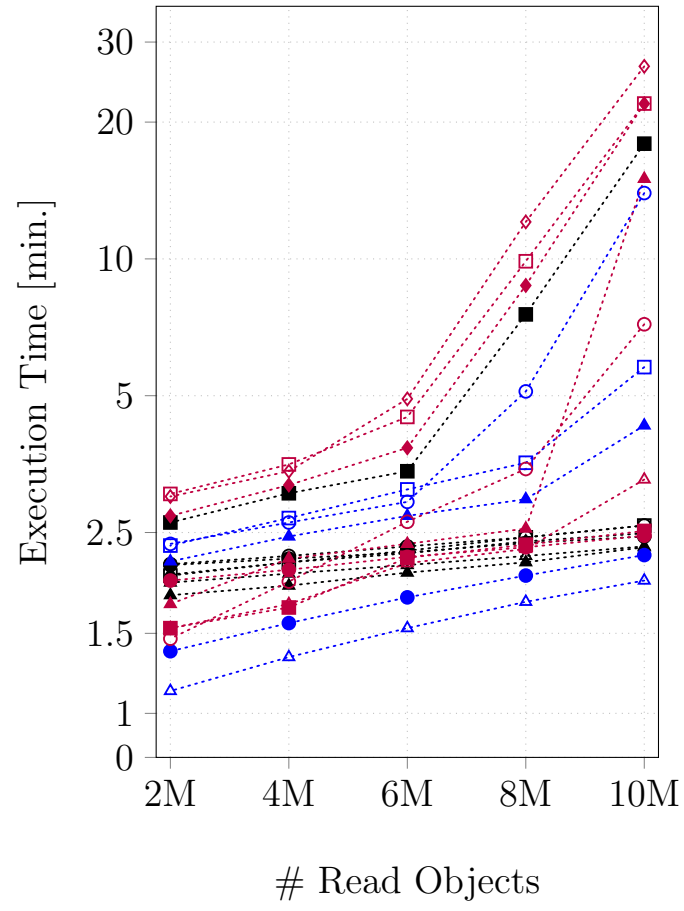


Figure 10: Experiment2:Random (Parallel)