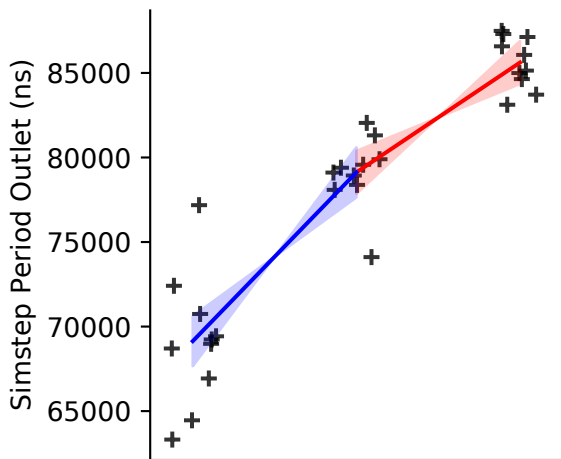


Quantile Regression

Cpus Per Node = 1



Cpus Per Node = 4

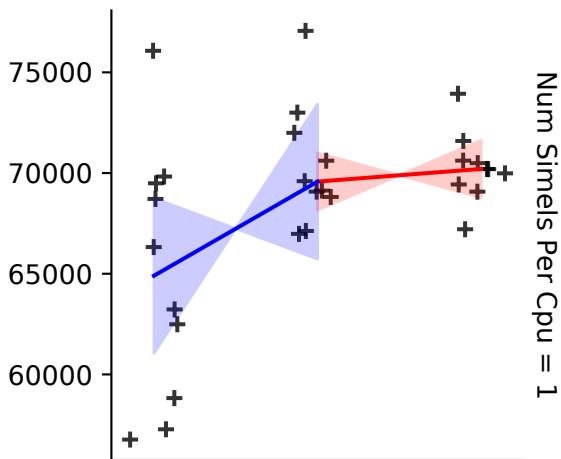


Figure 10 is a scatter plot showing the relationship between the Log Num Processes (x-axis) and the Simstep Period Outlet (ns) (y-axis). The y-axis is scaled by 10^6 . The data points are marked with '+' symbols. A blue line represents a linear fit for the data points at Log Num Processes 2 and 3, showing a steep increase in the Simstep Period Outlet as the number of processes increases. A red line represents a linear fit for the data points at Log Num Processes 3 and 3.5, showing a slight decrease in the Simstep Period Outlet as the number of processes increases.

Num Sims Per Cpu = 2048

Log Num Processes	Num Sims Per Cpu (approx. mean)
1.8	0.85
2.0	1.55
2.9	1.85
3.1	1.90
3.9	1.80
4.1	1.82

Log Num Processes