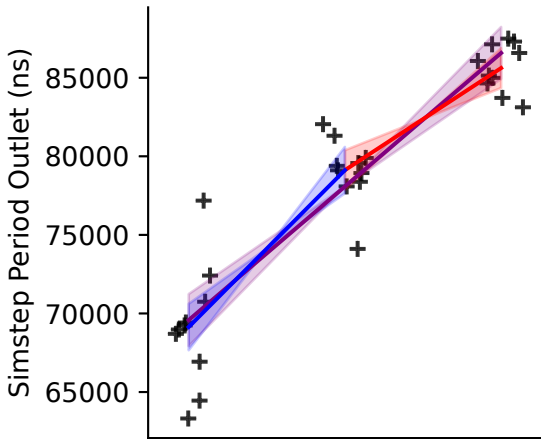


Quantile Regression

Cpus Per Node = 1



Cpus Per Node = 4

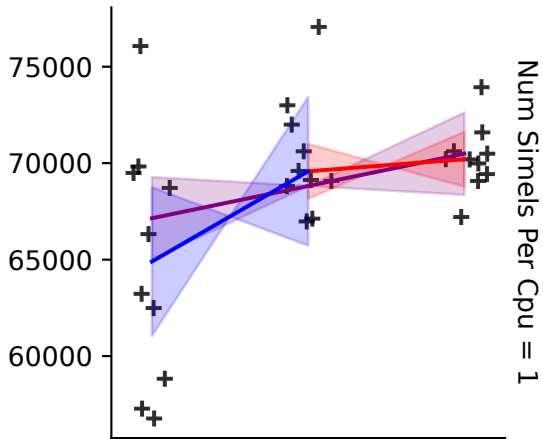


Figure 10 is a line graph showing the relationship between Log Num Processes (x-axis) and Simstep Period Outlet (ns) (y-axis). The y-axis is scaled by 10^6 . The x-axis ranges from 2 to 3.5, and the y-axis ranges from 1.6 to 2.0. Three lines are plotted, each representing a different configuration or model, with shaded regions indicating confidence intervals. The blue line shows a steep increase, the red line shows a moderate increase, and the purple line shows a shallower increase.

| Log Num Processes | Blue Line (ns) | Red Line (ns) | Purple Line (ns) |
|-------------------|----------------|---------------|------------------|
| 2.0 | ~1.68 | ~1.68 | ~1.68 |
| 3.0 | ~2.05 | ~2.02 | ~1.82 |
| 3.5 | - | ~1.95 | ~1.93 |

