Ordinary Least Squares Regression Cpus Per Node = 4 Cpus Per Node = 1 1e8 1.50 625000 Outlet (ns) Num Simels Per Cpu = 1.25 600000 -575000 -1.00 Latency Walltime 550000 0.75 525000 0.50 500000 0.25 475000 0.00 1e7 1e6 Latency Walltime Outlet (ns) Num Simels Per Cpu = 2048 2.8 2.0 2.6 1.5 2.4 2.2 1.0 2.0 0.5 1.8 3 Log Num Processes Log Num Processes