Multilayer Perceptron (MLP) model MSÉ: 1068.3819, R<sup>2</sup>: 0.4575 CPU Predictions (RMSE: 0.1484, R2: 0.1329) 0.6 0.2 0.4 8.0 1.0 Real CPU Usage Memory Predictions (RMSE: 0.0230, R2: 0.6652) Prediction vs Real Memory 0.86 0.88 0.90 0.92 0.94 0.96 0.98 Real Memory Usage Throughput Predictions (MSE: 1850.4917, R<sup>2</sup>: 0.5743) Prediction vs Real Throughput 6000 10000 4000 8000 12000

Real Throughput Usage

Predicted CPU Usage

Predicted Throughput 2500 2500 0

0

0.0

Prediction vs Real CPU CPU reference line

Memory reference line

Throughput reference line

2000

0.84