Multilayer Perceptron (MLP) model MSÉ: 2225.3121, R²: 0.3703 CPU Predictions (RMSE: 0.2277, R2: 0.2013) 0.2 0.4 0.6 1.0 8.0 1.2 Real CPU Usage Memory Predictions (RMSE: 0.0292, R²: 0.8109) Prediction vs Real Memory 0.80 0.85 0.90 0.95 Real Memory Usage Throughput Predictions (MSE: 3854.3536, R²: 0.0985) Prediction vs Real Throughput Throughput reference line 10000 5000 7500 12500 15000 17500

Real Throughput Usage

1.25

1.00

0.75

0.50

0.25

0.00

Predicted Memory Usage 0.0 0 0.0 0 0.0 0 2.0 0 2.0 0

Predicted Throughput

15000

10000

5000

0.0

Predicted CPU Usage

Prediction vs Real CPU

Memory reference line

0.75

2500

CPU reference line