Multilayer Perceptron (MLP) model MSÉ: 1083.6194, R²: 0.6033 CPU Predictions (RMSE: 0.1442, R2: 0.4755) 0.2 0.4 0.6 8.0 1.0 Real CPU Usage Memory Predictions (RMSE: 0.0236, R2: 0.6909) Prediction vs Real Memory 0.88 0.90 0.86 0.92 0.94 0.96 0.98 Real Memory Usage Throughput Predictions (MSE: 1876.8838, R2: 0.6436) Prediction vs Real Throughput

8000

10000

12000

6000

Real Throughput Usage

Predicted CPU Usage

Predicted Memory Usage

Predicted Throughput 2000 2200 C

0

0.0

Prediction vs Real CPU CPU reference line

Memory reference line

Throughput reference line

2000

4000

0.84