## Multilayer Perceptron (MLP) model MSÉ: 1983.4223, R<sup>2</sup>: 0.4670 CPU Predictions (RMSE: 0.2108, R2: 0.2048) 0.4 0.8 1.0 0.6 1.2 Real CPU Usage Memory Predictions (RMSE: 0.0324, R<sup>2</sup>: 0.7718) Prediction vs Real Memory 0.80 0.85 0.90 0.95 Real Memory Usage Throughput Predictions (MSE: 3435.3883, R<sup>2</sup>: 0.4244) Prediction vs Real Throughput Throughput reference line 5000 10000 15000 20000

Real Throughput Usage

1.25

Prediction vs Real CPU CPU reference line

Memory reference line

0.75

0.2

Dredicted CPU Usage 1.00 0.50 0.50 0.00

20000

15000

10000

5000

Predicted Throughput

0.0