## Multilayer Perceptron (MLP) model MSÉ: 1333.9806, R<sup>2</sup>: 0.5429 CPU Predictions (RMSE: 0.1696, R2: 0.4172) 0.2 0.4 0.6 8.0 1.0 Real CPU Usage Memory Predictions (RMSE: 0.0227, R<sup>2</sup>: 0.6692) Prediction vs Real Memory 0.88 0.92 0.90 0.94 0.96 Real Memory Usage Throughput Predictions (MSE: 2310.5222, R2: 0.5422) Prediction vs Real Throughput Throughput reference line 2000 4000 6000 8000 10000 12000

Real Throughput Usage

1.00 hedicted CPU Usage 0.75 0.50 0.00

Predicted Memory Usage 0.950 0.900 0.875 0.850

Predicted Throughput 2000 2500 C

0.0

Prediction vs Real CPU CPU reference line

Memory reference line

0.86