## eXtreme Gradient Boosting (XGBoost) model MSE: 3300.2718, R<sup>2</sup>: 0.2388 CPU Predictions (RMSE: 0.2124, R2: 0.3131) Prediction vs Real CPU -- CPU reference line 0.6 0.2 0.4 0.8 1.0 Real CPU Usage Memory Predictions (RMSE: 0.0260, R<sup>2</sup>: 0.6739) Prediction vs Real Memory Memory reference line 0.800 0.825 0.850 0.875 0.900 0.925 0.950 Real Memory Usage Throughput Predictions (MSE: 5716.2384, R2: -0.2707) Prediction vs Real Throughput Throughput reference line 10000 5000 15000 20000

Real Throughput Usage

Predicted CPU Usage 8.0 0.1 8.0 0.1

Predicted Memory Usage

0.90

0.85

0.80

0

25000

0.0

0.775