Random Forest (RF) model MSE: 2212.5619, R2: 0.4411 CPU Predictions (RMSE: 0.2749, R2: 0.1476) 0.4 0.6 8.0 1.0 1.2 Real CPU Usage Memory Predictions (RMSE: 0.0290, R2: 0.8324) Prediction vs Real Memory Memory reference line 0.85 0.95 0.80 0.90 Real Memory Usage Throughput Predictions (MSE: 3832.2697, R²: 0.3432) Prediction vs Real Throughput

12500

15000

17500

20000

1.25

1.00

0.75

0.50

0.25

0.00

Predicted Memory Usage 0.80 0.80 0.80 0.75

0

0.0

Prediction vs Real CPU

0.2

7500

5000

10000

Real Throughput Usage

0.75

Throughput reference line

2500

CPU reference line

Predicted CPU Usage