Distributions of Prediction Error with Increasing Amounts of Training Data

Where the remaining data is used for testing the predictive performance of the algorithms. The individual x-axes are the probability ranges for the bars in each histogram. Delaunay LSHEP MARS 1.5 MLPRegressor SVR Relative Error in Predicted System Throughput -1.50.05 0.1 0.15 0.2 0.05 0.1 0.15 0.2 0.05 0.1 0.15 0.2 0.05 0.1 0.15 0.2

[50 - 74%] Training

[75 - 96%] Training

[25 - 46%] Training

[5 - 21%] Training