LSTM - BirdChicken Linear Regression Surrogate 0.80 - R^2 : 0.27 ± 0.17 RMSE: 0.06 ± 0.01 MAE: 0.05 ± 0.01 0.75 0.70 **Predicted Accuracy** 0.65 0.60 0.55 0.50 0.45 0.50 0.55 0.60 0.65 0.70 0.75 0.80 0.45 **Actual Validation Accuracy**