LSTM - CatsDogs Linear Regression Surrogate R^2 : 0.02 ± 0.47 RMSE: 0.01 ± 0.00 0.54 MAE: 0.01 ± 0.00 0.53 Predicted Accuracy 0.52 0.51 0.50 0.49 0.50 0.51 0.52 0.53 0.54 0.49 **Actual Validation Accuracy**