Cybersecurity Regression Analysis - Linear Regression Model Actual vs Predicted Values Residuals Plot Perfect Prediction 7000 -6000 6000 5000 Predicted Session Duration (seconds)

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00000 4000 Residuals 3000 2000 1000 1000 -10001000 2000 3000 5000 7000 770 780 790 4000 6000 800 810 820 830 Predicted Session Duration (seconds) Actual Session Duration (seconds) Feature Coefficients (Linear Regression) Model Performance Comparison R² Score RMSE (normalized) 0.1 8 0.0 Coefficient Value A 9 9 0 0 -0.1 -0.2 2 -0.3Linear Regression Random Forest Models

Features