Comparison of Relative Effectiveness vs. Accuracy Feature hashing Privacy score (Entropy) 4 **PCA** Utility score (Mutual Info) Differential privacy Privacy-utility tradeoff Impurity greedy on both SHAP greedy on both 3 Impurity greedy on source SHAP greedy on source Relative Effectiveness Impurity greedy on threat SHAP greedy on threat 2 0 0.70 0.75 0.80 0.85 0.90 0.95 Prediction Accuracy After Feature Minimization