Simple Dataset

All Features

Model	Accuracy	STD	Precision	DD	Recall	STD	F1-Score	STD
DecisionTree	0.9208	0.0286	0.7574	0.1105	0.7670	0.0875	0.7580	0.0831
RandomForest	0.9454	0.0156	0.9148	0.0758	0.7327	0.0744	0.8102	0.0570
GradientBoosting	0.9427	0.0193	0.8718	0.0823	0.7556	0.0645	0.8083	0.0648
XGBoost	0.9390	0.0250	0.8726	0.1107	0.7330	0.0856	0.7939	0.0838

Manual Selection

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.9035	0.0181	0.7209	0.0753	0.6597	0.0551	0.6872	0.0544
RandomForest	0.9263	0.0157	0.8393	0.0861	0.6757	0.0413	0.7467	0.0483
GradientBoosting	0.9272	0.0126	0.8293	0.0729	0.6932	0.0212	0.7540	0.0370
XGBoost	0.9308	0.0186	0.8420	0.0875	0.7044	0.0393	0.7665	0.0585

Parking Sensores

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.8680	0.0172	0.5884	0.0584	0.5905	0.0584	0.5887	0.0553
RandomForest	0.9099	0.0209	0.8019	0.0990	0.5852	0.0586	0.6760	0.0724
GradientBoosting	0.8981	0.0192	0.7192	0.0871	0.6075	0.0634	0.6563	0.0618
XGBoost	0.9035	0.0161	0.7402	0.0769	0.6246	0.0482	0.6752	0.0469

Mutual Information 1 (with in-warninglist-feature)

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.9245	0.0281	0.7631	0.1023	0.7841	0.0858	0.7701	0.0808
RandomForest	0.9472	0.0160	0.9122	0.0671	0.7441	0.0632	0.8181	0.0566
GradientBoosting	0.9417	0.0203	0.8551	0.1058	0.7784	0.0456	0.8124	0.0614
XGBoost	0.9408	0.0166	0.8796	0.0858	0.7387	0.0792	0.7992	0.0589

Mutual Information 2 (without in-warninglist-feature)

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.8999	0.0308	0.7000	0.1207	0.6987	0.0671	0.6944	0.0803
RandomForest	0.9235	0.0199	0.8218	0.0954	0.6757	0.0657	0.7391	0.0670
GradientBoosting	0.9199	0.0193	0.7973	0.0943	0.6816	0.0351	0.7333	0.0555
XGBoost	0.9217	0.0248	0.8062	0.1206	0.6986	0.0314	0.7446	0.0628

RFE 1 (with in-warninglist-feature)

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.9235	0.0207	0.7705	0.0770	0.7495	0.0568	0.7590	0.0626
RandomForest	0.9418	0.0190	0.8773	0.0948	0.7500	0.0609	0.8057	0.0607
GradientBoosting	0.9427	0.0167	0.8843	0.0790	0.7446	0.0525	0.8068	0.0540
XGBoost	0.9418	0.0176	0.8625	0.0757	0.7614	0.0460	0.8080	0.0550

RFE 2 (without in-warninglist-feature)

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.8972	0.0229	0.6849	0.0871	0.6932	0.0855	0.6838	0.0638
RandomForest	0.9281	0.0117	0.8565	0.0937	0.6760	0.0300	0.7519	0.0292
GradientBoosting	0.9217	0.0143	0.8014	0.1036	0.7048	0.0679	0.7431	0.0396
XGBoost	0.9245	0.0128	0.8493	0.1113	0.6652	0.0515	0.7393	0.0319

Intersection 1 (with in-warninglist-feature)

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.9272	0.0190	0.7970	0.0975	0.7559	0.0606	0.7703	0.0493
RandomForest	0.9418	0.0176	0.8640	0.0760	0.7614	0.0733	0.8068	0.0597
GradientBoosting	0.9399	0.0185	0.8453	0.0698	0.7668	0.0561	0.8036	0.0598
XGBoost	0.9390	0.0205	0.8366	0.0801	0.7722	0.0611	0.8024	0.0660

Intersection2 (without in-warninglist-feature)

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.8990	0.0353	0.7045	0.1219	0.6816	0.0565	0.6888	0.0826
RandomForest	0.9272	0.0135	0.8450	0.0828	0.6760	0.0394	0.7490	0.0432
GradientBoosting	0.9208	0.0182	0.8279	0.1168	0.6594	0.0327	0.7296	0.0480
XGBoost	0.9245	0.0131	0.8323	0.0881	0.6763	0.0407	0.7425	0.0344

Dataset with structural hash duplicates

All Features

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.9435	0.0149	0.9375	0.0188	0.9349	0.0190	0.9361	0.0169
RandomForest	0.9638	0.0118	0.9776	0.0135	0.9400	0.0244	0.9582	0.0140
GradientBoosting	0.9616	0.0134	0.9629	0.0200	0.9502	0.0214	0.9563	0.0154
XGBoost	0.9621	0.0087	0.9626	0.0091	0.9515	0.0187	0.9569	0.0101

Manual Selection

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.9350	0.0218	0.9326	0.0242	0.9196	0.0259	0.9260	0.0248
RandomForest	0.9514	0.0111	0.9668	0.0157	0.9221	0.0207	0.9437	0.0130
GradientBoosting	0.9452	0.0140	0.9514	0.0128	0.9234	0.0279	0.9370	0.0167
XGBoost	0.9508	0.0154	0.9554	0.0291	0.9336	0.0245	0.9439	0.0171

Parking Sensores

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.9113	0.0129	0.9068	0.0152	0.8915	0.0284	0.8988	0.0156
RandomForest	0.9401	0.0116	0.9522	0.0124	0.9106	0.0260	0.9307	0.0142
GradientBoosting	0.9333	0.0068	0.9347	0.0032	0.9132	0.0182	0.9237	0.0087
XGBoost	0.9356	0.0106	0.9340	0.0101	0.9196	0.0243	0.9265	0.0130

Mutual Information 1 (with in-warninglist-feature)

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.9508	0.0148	0.9442	0.0171	0.9451	0.0292	0.9444	0.0173
RandomForest	0.9650	0.0095	0.9764	0.0128	0.9438	0.0195	0.9597	0.0112
GradientBoosting	0.9616	0.0073	0.9653	0.0160	0.9477	0.0163	0.9562	0.0083
XGBoost	0.9638	0.0112	0.9665	0.0159	0.9515	0.0164	0.9588	0.0128

Mutual Information 2 (without in-warninglist-feature)

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.9277	0.0170	0.9214	0.0227	0.9157	0.0426	0.9177	0.0205
RandomForest	0.9554	0.0142	0.9698	0.0188	0.9285	0.0300	0.9483	0.0169
GradientBoosting	0.9503	0.0115	0.9551	0.0208	0.9323	0.0329	0.9430	0.0140
XGBoost	0.9531	0.0106	0.9575	0.0208	0.9361	0.0194	0.9464	0.0120

RFE1 (with in-warninglist-feature)

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.9429	0.0222	0.9439	0.0204	0.9260	0.0352	0.9347	0.0261
RandomForest	0.9638	0.0090	0.9727	0.0145	0.9451	0.0183	0.9585	0.0105
GradientBoosting	0.9638	0.0065	0.9654	0.0150	0.9528	0.0143	0.9589	0.0074
XGBoost	0.9627	0.0095	0.9641	0.0157	0.9515	0.0191	0.9576	0.0109

RFE2 (without in-warninglist-feature)

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.9322	0.0169	0.9273	0.0244	0.9196	0.0308	0.9230	0.0197
RandomForest	0.9587	0.0118	0.9723	0.0113	0.9336	0.0276	0.9523	0.0142
GradientBoosting	0.9520	0.0101	0.9564	0.0232	0.9349	0.0203	0.9452	0.0114
XGBoost	0.9503	0.0138	0.9561	0.0227	0.9310	0.0263	0.9430	0.0158

Intersection 1 (with in-warninglist-feature)

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.9486	0.0152	0.9494	0.0149	0.9336	0.0250	0.9413	0.0178
RandomForest	0.9627	0.0090	0.9691	0.0184	0.9464	0.0178	0.9574	0.0103
GradientBoosting	0.9616	0.0095	0.9629	0.0181	0.9502	0.0147	0.9564	0.0107
XGBoost	0.9633	0.0109	0.9644	0.0212	0.9528	0.0154	0.9583	0.0120

Intersection 2 (without in-warninglist-feature)

Model	Accuracy	STD	Precision	STD	Recall	STD	F1-Score	STD
DecisionTree	0.9288	0.0191	0.9146	0.0255	0.9259	0.0226	0.9201	0.0213
RandomForest	0.9542	0.0134	0.9673	0.0185	0.9285	0.0309	0.9471	0.0161
GradientBoosting	0.9480	0.0146	0.9464	0.0241	0.9361	0.0189	0.9410	0.0162
XGBoost	0.9525	0.0178	0.9540	0.0271	0.9387	0.0270	0.9460	0.0201