

Features: Counter with 1-glass  
Maximum number of features considered: 100

## Logistic Regression

Feature number	Time to 1 TP	TN	FP	FN	Accuracy	Precision	Recall	F1-Score		
1	100 0.02099	536	1620	352	602	0.07375	0.0206	0.03464	0.03062	
2	100 0.02097	566	1643	349	602	0.08031	0.01856	0.04054	0.03321	
3	100 0.02099	554	1616	312	718	0.07813	0.03072	0.03553	0.05184	
4	100 0.02098	583	1589	311	737	0.07825	0.03213	0.04167	0.05265	
5	100 0.02099	514	1623	312	731	0.07406	0.03121	0.04213	0.05302	
Average		0.02018	554.6	1614.2	327.2	718	0.07775	0.02905	0.04007	0.05191

## SDD Classifier

Feature number	Time to 1 TP	TN	FP	FN	Accuracy	Precision	Recall	F1-Score
1	100 0.02098	602	1542	420	628	0.07183	0.02052	0.03463
2	100 0.02098	101	1549	431	1107	0.04063	0.0710	0.02061
3	100 0.02099	383	1759	389	610	0.06928	0.02061	0.03911
4	100 0.02098	717	1469	414	603	0.08219	0.02395	0.04318
5	100 0.02099	501	1695	265	704	0.07813	0.02319	0.03905
Average	0.02098	460.8	1677	264.4	707.5	0.06806	0.02314	0.03283

## Linear SVC

1	100	0.02094	546	1602	370	602	0.071725	0.050507	0.44463	0.503033
2	100	0.22487	600	1630	362	608	0.056588	0.0237	0.49069	0.553
3	100	0.08905	607	1589	339	605	0.06825	0.04165	0.4772	0.54734
4	100	0.12095	612	1549	331	708	0.07531	0.04809	0.40364	0.54087
5	100	0.16202	553	1596	339	712	0.07156	0.01996	0.43715	0.51275
Average		0.13752	583.6	1593.2	348.2	675	0.06825	0.02607	0.46386	0.53268

## NuSVC (gamma=0.1)

	Feature number	Time to 1 TP	TN	FP	FN	Accuracy	Precision	Recall	F1-Score
1	100	17.828	684	1533	452	34	0.00188	0.0210	0.01439
2	100	17.833	858	1324	404	408	0.03851	0.0697	0.02029
3	100	18.519	868	1324	404	404	0.0385	0.06967	0.02028
4	100	17.6989	860	1355	525	460	0.04007	0.02036	0.03302
5	17.645	785	1313	422	440	0.03853	0.0697	0.02035	0.03297
Accuracy	17.681	882	1316.6	405	564	0.04001	0.0697	0.02035	0.03296

## SVC (gamma=0.1)

	Feature number	Time to 1 TP	TN	FP	FN	Accuracy	Precision	Recall	F1-Score
	1	100 23.5026	25	1965	7	1.203	0.62168	0.78125	0.69366
	2	100 23.5046	32	1983	9	1.176	0.5904	0.78125	0.67896
	3	100 23.1424	20	1904	4	1.252	0.6075	0.83333	0.71572
	4	100 23.5039	22	1877	3	1.298	0.55044	0.88333	0.70371
	5	100 23.5364	25	1928	7	1.240	0.61031	0.78125	0.6976
Average		23.3054	24.8	1935.4	6	1.233.8	0.61256	0.81125	0.70381

## Gaussian Naive Bayes

1	100	0.0306	696	1376	506	532	0.6475	0.5387	0.59676	0.59238
2	100	0.03728	753	1371	621	405	0.66375	0.54803	0.62334	0.58327
3	100	0.03597	775	1307	621	497	0.65063	0.55516	0.60326	0.59096
4	100	0.04697	777	1319	561	543	0.6555	0.58072	0.58864	0.56465
5	100	0.03408	801	1287	648	464	0.6525	0.5528	0.6332	0.59527
Average		0.03824	760.4	1332	609.4	498.2	0.65388	0.55598	0.60425	0.57831

## Decision Tree

	Feature number	TP	TN	FP	FN	Accuracy	Precision	Recall	F1-Score
1	100 0.21788	955	1005	466	205	0.77219	0.67435	0.78953	0.72984
2	100 0.2099	953	1486	458	263	0.76156	0.65229	0.78891	0.71413
3	100 0.21792	958	1450	478	304	0.75563	0.68943	0.76101	0.71229
4	100 0.24215	1038	1413	467	262	0.78594	0.6887	0.78636	0.73487
5	100 0.22396	1014	1446	467	247	0.77063	0.67641	0.80474	0.73502
Average	0.24156	988.4	1460.2	461.2	276.2	0.76519	0.67244	0.78537	0.72443

## RandomForest (10 estimators)

1	100	0.23187	959	1547	425	259	0.78625	0.69512	0.78909	0.73913
2	100	0.20983	957	1526	466	291	0.77594	0.67252	0.78222	0.72748
3	100	0.22585	956	1488	440	316	0.76375	0.66481	0.75157	0.71654
4	100	0.20184	1033	1456	424	267	0.77771	0.70889	0.78258	0.74397
5	100	0.20408	1028	1474	461	297	0.77618	0.6904	0.78265	0.74605
Average		0.22639	1028.6	1498.2	463.2	270	0.77713	0.69037	0.78562	0.73475

## AdaBoost

1	100	0.05764	560	1595	377	608	0.07344	0.05975	0.49503	0.51732
2	100	0.7988	584	1642	350	624	0.05563	0.02527	0.48344	0.54528
3	100	0.67403	579	1608	320	603	0.08344	0.04405	0.45019	0.53339
4	100	0.79054	582	1556	324	738	0.06813	0.04238	0.44091	0.52291
5	100	0.86038	597	1625	310	728	0.07563	0.0394	0.42451	0.50852
Average		0.76358	588.4	1605.2	336.2	693.2	0.07925	0.02867	0.45201	0.52548

## XGBost

	Feature number	Time to 1 TP	TN	FP	FN	Accuracy	Precision	Recall	F1-Score	
	1	100 0.31011	118	1086	274	710	0.0925	0.0454	0.04782	0.05187
	2	100 0.40038	535	1104	284	673	0.07604	0.03879	0.04828	0.05063
	3	100 0.30992	558	1072	258	714	0.08608	0.0455	0.04895	0.05135
	4	100 0.31713	539	1052	268	781	0.07219	0.04971	0.04933	0.05082
	5	100 0.31681	558	1068	247	769	0.08531	0.04714	0.04931	0.05074
Average		0.33766	531	1076.6	268.8	727.6	0.08006	0.04664	0.04919	0.05166

## Multi-layer Perceptrons

Feature number	Time to 1 TP	TN	FP	FN	Accuracy	Precision	Recall	F1-Score
1	100 19.8812	946	1576	395	280	0.76875	0.70536	0.73717
2	100 19.3056	919	1549	443	292	0.77031	0.70588	0.73828
3	100 17.6591	939	1528	400	333	0.77004	0.70127	0.73621
4	100 18.0597	1004	1476	404	316	0.775	0.71307	0.73601
5	100 17.5775	1014	1466	469	291	0.775	0.68375	0.73759
Average	18.4586	964.2	1519	422.4	254.4	0.776	0.69549	0.73613

Features: Counter with 1-glass  
Maximum: 1000

## Logistic Regression

Feature number	Time to 1 TP	TN	FP	FN	Accuracy	Precision	Recall	F1-Score	
1	1000 0.00897	691	1500	369	590	0.70031	0.00189	0.00042	0.00029
2	1000 0.00886	691	1504	362	593	0.70408	0.00204	0.00044	0.00036
3	1000 0.00897	673	1600	364	563	0.71031	0.04899	0.0445	0.03217
4	1000 0.00897	698	1608	363	591	0.72063	0.05787	0.06794	0.06061
5	1000 0.0087	716	1504	333	597	0.72188	0.06205	0.06245	0.06167
Average	0.00716	691.8	1505.2	356.2	566.8	0.71106	0.06091	0.04977	0.03964

## SDD Classifier

Feature	Time to 1 TP	TN	FP	FN	Accuracy	Precision	Recall	F1-Score	Feature
1	1000 0.14594	751	1825	34	610	0.64333	0.00271	0.00284	1
2	1000 0.14095	598	1664	303	638	0.70588	0.00262	0.00326	2
3	1000 0.16396	876	1402	524	398	0.71188	0.02571	0.0676	0.0552
4	1000 0.14399	849	1502	428	404	0.73489	0.06641	0.06933	0.06867
5	1000 0.14194	928	1384	587	301	0.72722	0.01254	0.73509	0.07638
Average	0.14914	700.2	1555.4	386	556.4	0.70488	0.05947	0.57712	0.57328

## Linear SVC

1	1000	0.27694	757	1488	431	524	0.70156	0.63721	0.59094	0.61332	1	500
2	1000	0.24555	750	1522	404	524	0.71	0.64961	0.58857	0.61779	2	500
3	1000	0.15066	741	1555	409	495	0.7175	0.64435	0.59951	0.62112	3	500
4	1000	0.14991	768	1562	409	461	0.72813	0.65251	0.62489	0.6384	4	500
5	1000	0.1599	768	1539	388	475	0.73031	0.67855	0.62687	0.64904	5	500
Average		0.19656	762.8	1533.2	408.2	495.8	0.7175	0.65136	0.60618	0.62791	Average	

## NuSVC (gamma=0.1)

	Feature number	Time to 1 TP	TN	FP	FN	Accuracy	Precision	Recall	F1-Score
1	1000	154.211	923	1340	579	368	0.70718	0.01481	0.02293
2	1000	157.279	922	1387	577	314	0.672196	0.01038	0.01605
3	1000	156.581	954	1387	509	319	0.72531	0.02012	0.02041
4	1000	146.423	921	1434	537	368	0.70588	0.01708	0.01748
5	1000	157.883	953	1385	541	321	0.73903	0.02388	0.02484
Average		156.476	936.6	1382.6	558.8	324	0.72615	0.02086	0.02085

## SVC (gamma=0.1)

Feature	Time to 1 TP	TN	FP	FN	Accuracy	Precision	Recall	F1-Score	Feature
1	1000 100.359	0	1505	0	1274	0.00198	0	0	1
2	1000 151.311	0	1564	0	1296	0.01375	0	0	2
3	1000 149.389	0	1627	0	1273	0.00219	0	0	3
4	1000 153.179	0	1919	0	1281	0.00989	0	0	4
5	1000 142.859	0	1971	0	1229	0.01394	0	0	5
Average	149.419	0	1941.4	0	1258.6	0.00669	0	0	Average

## Gaussian Naive Bayes

1	1000	0.33331	996	767	1204	233	0.55094	0.45273	0.21041	0.58003	1	500
2	1000	0.3438	1062	675	1244	219	0.54281	0.46054	0.82904	0.59214	2	500
3	1000	0.35333	1015	793	1171	221	0.565	0.46432	0.8212	0.59322	3	500
4	1000	0.341	931	789	1137	243	0.56875	0.47555	0.80626	0.59607	4	500
5	1000	0.33921	1062	754	1173	211	0.5675	0.47517	0.83425	0.60547	5	500
Average		0.34225	1033.2	755.6	1185.8	225.4	0.559	0.46566	0.82083	0.59417	Average	