

6 DATA FILES WITH 25 ANOMALIES EACH

STATIC WITH MOST RECENT DATA USED FOR TRAINING

	T0 ON T1	T1 ON T2	T2 ON T3	T3 ON T4	T4 ON T5
TPR	0	0.68	0.28	0.44	0.44
TNR	0.872534143	0.46935725	0.848024316	0.894890511	0.844117647
FPR	0.127465857	0.53064275	0.151975684	0.105109489	0.155882353
FNR	0	0.32	0.72	0.56	0.56

DYNAMIC WITH MATCHING (<50% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.52	0.28	0.72	0.44
TNR	0.872534143	0.874439462	0.861702128	0.909489051	0.935294118
FPR	0.127465857	0.125560538	0.138297872	0.090510949	0.064705882
FNR	0	0.48	0.72	0.28	0.56

DYNAMIC WITH MATCHING (<33% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.76	0.48	0.92	1
TNR	0.836115326	0.753363229	0.671732523	0.732846715	0.833823529
FPR	0.163884674	0.246636771	0.328267477	0.267153285	0.166176471
FNR	0	0.24	0.52	0.08	0

DYNAMIC WITH MATCHING (<25% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.84	0.64	0.92	1
TNR	0.783004552	0.656203288	0.56231003	0.632116788	0.744117647
FPR	0.216995448	0.343796712	0.43768997	0.367883212	0.255882353
FNR	0	0.16	0.36	0.08	0

DYNAMIC WITH MATCHING (<10% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.84	0.64	0.92	1
TNR	0.725341426	0.633781764	0.516717325	0.527007299	0.669117647
FPR	0.274658574	0.366218236	0.483282675	0.472992701	0.330882353
FNR	0	0.16	0.36	0.08	0

6 DATA FILES WITH 75 ANOMALIES EACH

STATIC WITH MOST RECENT DATA USED FOR TRAINING

	T0 ON T1	T1 ON T2	T2 ON T3	T3 ON T4	T4 ON T5
TPR	0	0.8133333333	0.6266666667	0.64	0.68
TNR	0.684370258	0.243647235	0.510638298	0.579562044	0.341176471
FPR	0.315629742	0.756352765	0.489361702	0.420437956	0.658823529
FNR	0	0.1866666667	0.3733333333	0.36	0.32

DYNAMIC WITH MATCHING (<50% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.32	0.2266666667	0.1733333333	0.1733333333
TNR	0.863429439	0.840059791	0.834346505	0.909489051	0.927941176
FPR	0.136570561	0.159940209	0.165653495	0.090510949	0.072058824
FNR	0	0.68	0.7733333333	0.8266666667	0.8266666667

DYNAMIC WITH MATCHING (<33% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.48	0.4933333333	0.4933333333	0.6133333333
TNR	0.820940819	0.702541106	0.667173252	0.738686131	0.819117647
FPR	0.179059181	0.297458894	0.332826748	0.261313869	0.180882353
FNR	0	0.52	0.5066666667	0.5066666667	0.3866666667

DYNAMIC WITH MATCHING (<25% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.6266666667	0.64	0.6133333333	0.6666666667
TNR	0.75569044	0.596412556	0.506079027	0.635036496	0.730882353
FPR	0.24430956	0.403587444	0.493920973	0.364963504	0.269117647
FNR	0	0.3733333333	0.36	0.3866666667	0.3333333333

DYNAMIC WITH MATCHING (<10% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.6266666667	0.64	0.7066666667	0.72
TNR	0.684370258	0.594917788	0.463525836	0.545985401	0.658823529
FPR	0.315629742	0.405082212	0.536474164	0.454014599	0.341176471
FNR	0	0.3733333333	0.36	0.2933333333	0.28

8 DATA FILES WITH NO CONCEPT DRIFT, 100 ANOMALIES IN FILE 5, 100 IN FILE 8***STATIC WITH MOST RECENT DATA USED FOR TRAINING***

	T0 ON T1	T1 ON T2	T2 ON T3	T3 ON T4	T4 ON T5
TPR	0	0	0	0.91	0
TNR	0.581613508	0.628514056	0.662601626	0.708423326	0.622871046
FPR	0.418386492	0.371485944	0.337398374	0.291576674	0.377128954
FNR	0	0	0	0.09	0

DYNAMIC WITH MATCHING (<50% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	0.6	0
TNR	0.581613508	0.771084337	0.81097561	0.872570194	0.807785888
FPR	0.418386492	0.228915663	0.18902439	0.127429806	0.192214112
FNR	0	0	0	0.4	0

DYNAMIC WITH MATCHING (<33% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	0.89	0
TNR	0.377110694	0.403614458	0.518292683	0.516198704	0.462287105
FPR	0.622889306	0.596385542	0.481707317	0.483801296	0.537712895
FNR	0	0	0	0.11	0

DYNAMIC WITH MATCHING (<25% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	0.93	0
TNR	0.324577861	0.361445783	0.37804878	0.421166307	0.369829684
FPR	0.675422139	0.638554217	0.62195122	0.578833693	0.630170316
FNR	0	0	0	0.07	0

DYNAMIC WITH MATCHING (<10% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	0.93	0
TNR	0.324577861	0.34939759	0.37804878	0.354211663	0.362530414
FPR	0.675422139	0.65060241	0.62195122	0.645788337	0.637469586
FNR	0	0	0	0.07	0

8 DATA FILES WITH NO CONCEPT DRIFT, 10 ANOMALIES IN FILE 5, 100 IN FILE 8***STATIC WITH MOST RECENT DATA USED FOR TRAINING***

	T0 ON T1	T1 ON T2	T2 ON T3	T3 ON T4	T4 ON T5
TPR	0	0	0	1	0
TNR	0.581613508	0.628514056	0.662601626	0.719298246	0.642335766
FPR	0.418386492	0.371485944	0.337398374	0.280701754	0.357664234
FNR	0	0	0	0	0

DYNAMIC WITH MATCHING (<50% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	0.928571429	0
TNR	0.581613508	0.771084337	0.81097561	0.879385965	0.785888078
FPR	0.418386492	0.228915663	0.18902439	0.120614035	0.214111922
FNR	0	0	0	0.071428571	0

DYNAMIC WITH MATCHING (<33% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	1	0
TNR	0.377110694	0.403614458	0.518292683	0.524122807	0.457420925
FPR	0.622889306	0.596385542	0.481707317	0.475877193	0.542579075
FNR	0	0	0	0	0

DYNAMIC WITH MATCHING (<25% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	1	0
TNR	0.324577861	0.361445783	0.37804878	0.427631579	0.357664234
FPR	0.675422139	0.638554217	0.62195122	0.572368421	0.642335766
FNR	0	0	0	0	0

DYNAMIC WITH MATCHING (<10% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	1	0
TNR	0.324577861	0.34939759	0.37804878	0.359649123	0.347931873
FPR	0.675422139	0.65060241	0.62195122	0.640350877	0.652068127
FNR	0	0	0	0	0

8 DATA FILES WITH CONCEPT DRIFT, 100 ANOMALIES IN FILE 5, 100 IN FILE 8***STATIC WITH MOST RECENT DATA USED FOR TRAINING***

	T0 ON T1	T1 ON T2	T2 ON T3	T3 ON T4	T4 ON T5
TPR	0	0	0	1	0
TNR	0.574870912	0.560632689	0.634782609	0.705035971	0.656934307
FPR	0.425129088	0.439367311	0.365217391	0.294964029	0.343065693
FNR	0	0	0	0	0

DYNAMIC WITH MATCHING (<50% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	0.62	0
TNR	0.574870912	0.713532513	0.79826087	0.863309353	0.826642336
FPR	0.425129088	0.286467487	0.20173913	0.136690647	0.173357664
FNR	0	0	0	0.38	0

DYNAMIC WITH MATCHING (<33% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	0.89	0
TNR	0.361445783	0.397188049	0.490434783	0.557553957	0.450729927
FPR	0.638554217	0.602811951	0.509565217	0.442446043	0.549270073
FNR	0	0	0	0.11	0

DYNAMIC WITH MATCHING (<25% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	0.62	0
TNR	0.313253012	0.360281195	0.387826087	0.451438849	0.355839416
FPR	0.686746988	0.639718805	0.612173913	0.548561151	0.644160584
FNR	0	0	0	0.38	0

DYNAMIC WITH MATCHING (<10% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	0.62	0
TNR	0.313253012	0.34973638	0.382608696	0.392086331	0.344890511
FPR	0.686746988	0.65026362	0.617391304	0.607913669	0.655109489
FNR	0	0	0	0.38	0

8 DATA FILES WITH CONCEPT DRIFT, 10 ANOMALIES IN FILE 5, 100 IN FILE 8***STATIC WITH MOST RECENT DATA USED FOR TRAINING***

	T0 ON T1	T1 ON T2	T2 ON T3	T3 ON T4	T4 ON T5
TPR	0	0	0	0.857142857	0
TNR	0.313253012	0.230228471	0.260869565	0.265938069	0.310218978
FPR	0.686746988	0.769771529	0.739130435	0.734061931	0.689781022
FNR	0	0	0	0.142857143	0

DYNAMIC WITH MATCHING (<50% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	0.857142857	0
TNR	0.574870912	0.713532513	0.79826087	0.867030965	0.808394161
FPR	0.425129088	0.286467487	0.20173913	0.132969035	0.191605839
FNR	0	0	0	0.142857143	0

DYNAMIC WITH MATCHING (<33% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	1	0
TNR	0.361445783	0.397188049	0.490434783	0.564663024	0.432481752
FPR	0.638554217	0.602811951	0.509565217	0.435336976	0.567518248
FNR	0	0	0	0.11	0

DYNAMIC WITH MATCHING (<25% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	1	0
TNR	0.313253012	0.360281195	0.387826087	0.4571949	0.333941606
FPR	0.686746988	0.639718805	0.612173913	0.5428051	0.666058394
FNR	0	0	0	0.38	0

DYNAMIC WITH MATCHING (<10% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0	0	1	0
TNR	0.313253012	0.34973638	0.382608696	0.39708561	0.322992701
FPR	0.686746988	0.65026362	0.617391304	0.60291439	0.677007299
FNR	0	0	0	0.38	0

6 DATA FILES WITH 50 ANOMALIES EACH

STATIC WITH MOST RECENT DATA USED FOR TRAINING

	T1 ON T2	T2 ON T3	T3 ON T4	T4 ON T5	T5 ON T6
TPR	0	0.54	0.36	0.26	0.22
TNR	0.872534143	0.46935725	0.848024316	0.875912409	0.838235294
FPR	0.127465857	0.53064275	0.151975684	0.124087591	0.161764706
FNR	0	0.46	0.64	0.74	0.78

DYNAMIC WITH MATCHING (<50% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.4	0.36	0.42	0.26
TNR	0.872534143	0.874439462	0.861702128	0.908029197	0.935294118
FPR	0.127465857	0.125560538	0.138297872	0.091970803	0.064705882
FNR	0	0.6	0.64	0.58	0.74

DYNAMIC WITH MATCHING (<33% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.62	0.62	0.5	0.52
TNR	0.836115326	0.753363229	0.676291793	0.731386861	0.833823529
FPR	0.163884674	0.246636771	0.323708207	0.268613139	0.166176471
FNR	0	0.38	0.52	0.5	0.48

DYNAMIC WITH MATCHING (<25% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.7	0.72	0.6	0.64
TNR	0.783004552	0.656203288	0.565349544	0.623357664	0.748529412
FPR	0.216995448	0.343796712	0.434650456	0.376642336	0.251470588
FNR	0	0.3	0.28	0.4	0.36

DYNAMIC WITH MATCHING (<10% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.76	0.72	0.6	0.7
TNR	0.725341426	0.633781764	0.516717325	0.519708029	0.676470588
FPR	0.274658574	0.366218236	0.483282675	0.480291971	0.323529412
FNR	0	0.24	0.28	0.4	0.3

6 DATA FILES WITH 100 ANOMALIES EACH

STATIC WITH MOST RECENT DATA USED FOR TRAINING

	T0 ON T1	T1 ON T2	T2 ON T3	T3 ON T4	T4 ON T5
TPR	0	0.49	0.28	0.23	0.19
TNR	0.863429439	0.481315396	0.79331307	0.900729927	0.6
FPR	0.136570561	0.518684604	0.20668693	0.099270073	0.4
FNR	0	0.51	0.72	0.77	0.81

DYNAMIC WITH MATCHING (<50% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.32	0.24	0.18	0.15
TNR	0.863429439	0.840059791	0.819148936	0.896350365	0.925
FPR	0.136570561	0.159940209	0.180851064	0.103649635	0.075
FNR	0	0.68	0.76	0.82	0.85

DYNAMIC WITH MATCHING (<33% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.47	0.46	0.64	0.58
TNR	0.820940819	0.702541106	0.656534954	0.728467153	0.817647059
FPR	0.179059181	0.297458894	0.343465046	0.271532847	0.182352941
FNR	0	0.53	0.54	0.36	0.42

DYNAMIC WITH MATCHING (<25% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.64	0.65	0.67	0.65
TNR	0.75569044	0.596412556	0.495440729	0.627737226	0.741176471
FPR	0.24430956	0.403587444	0.504559271	0.372262774	0.258823529
FNR	0	0.36	0.35	0.33	0.35

DYNAMIC WITH MATCHING (<10% DEVIATION)

	T1	T2	T3	T4	T5
TPR	0	0.64	0.66	0.75	0.68
TNR	0.684370258	0.594917788	0.452887538	0.525547445	0.673529412
FPR	0.315629742	0.405082212	0.547112462	0.474452555	0.326470588
FNR	0	0.36	0.34	0.25	0.32

T5 ON T6	T6 ON T7
0	0.914893617
0.681704261	0.63943662
0.318295739	0.36056338
0	0.085106383

T6	T7
0	0.64893617
0.847117794	0.769014085
0.152882206	0.230985915
0	0.35106383

T6	T7
0	0.893617021
0.501253133	0.338028169
0.498746867	0.661971831
0	0.106382979

T6	T7
0	0.936170213
0.395989975	0.261971831
0.604010025	0.738028169
0	0.063829787

T6	T7
0	0.936170213
0.350877193	0.247887324
0.649122807	0.752112676
0	0.063829787

T5 ON T6	T6 ON T7
0	0.914893617
0.681704261	0.63943662
0.318295739	0.36056338
0	0.085106383

T6	T7
0	0.765957447
0.827067669	0.743661972
0.172932331	0.256338028
0	0.234042553

T6	T7
0	0.893617021
0.473684211	0.383098592
0.526315789	0.616901408
0	0.106382979

T6	T7
0	0.936170213
0.373433584	0.307042254
0.626566416	0.692957746
0	0.063829787

T6	T7
0	0.936170213
0.325814536	0.301408451
0.674185464	0.698591549
0	0.063829787

T5 ON T6	T6 ON T7
0	0.861702128
0.653716216	0.686725664
0.346283784	0.313274336
0	0.138297872

T6	T7
0	0.659574468
0.778716216	0.817699115
0.221283784	0.182300885
0	0.340425532

T6	T7
0	0.861702128
0.467905405	0.50619469
0.532094595	0.49380531
0	0.138297872

T6	T7
0	0.882978723
0.337837838	0.414159292
0.662162162	0.585840708
0	0.117021277

T6	T7
0	0.882978723
0.29222973	0.37699115
0.70777027	0.62300885
0	0.117021277

T5 ON T6	T6 ON T7
0	1
0.305743243	0.237168142
0.694256757	0.762831858
0	0

T6	T7
0	0.765957447
0.75	0.8
0.25	0.2
0	0.234042553

T6	T7
0	0.861702128
0.459459459	0.486725664
0.540540541	0.513274336
0	0.138297872

T6	T7
0	0.925531915
0.334459459	0.394690265
0.665540541	0.605309735
0	0.074468085

T6	T7
0	0.925531915
0.288851351	0.357522124
0.711148649	0.642477876
0	0.074468085