

-----DYNAMIC WITH NO WEIGHT , DISCARD 20% freq, WITH ENHANCEMENTS

DICTIONARY SIZE: 57

TP: 0.0
FP: 66.0
TN: 508.0
FN: 0.0
TPR: NaN
FPR: 0.11498257839721254
TNR: 0.8850174216027874
FNR: NaN

DICTIONARY SIZE: 89

TP: 0.0
FP: 33.0
TN: 551.0
FN: 0.0
TPR: NaN
FPR: 0.05650684931506849
TNR: 0.9434931506849316
FNR: NaN

DICTIONARY SIZE: 91

TP: 0.0
FP: 25.0
TN: 523.0
FN: 0.0
TPR: NaN
FPR: 0.04562043795620438
TNR: 0.9543795620437956
FNR: NaN

DICTIONARY SIZE: 91

TP: 39.0
FP: 14.0
TN: 573.0
FN: 1.0
TPR: 0.975
FPR: 0.02385008517887564
TNR: 0.9761499148211243
FNR: 0.025

DICTIONARY SIZE: 117

TP: 0.0
FP: 6.0
TN: 534.0
FN: 0.0
TPR: NaN
FPR: 0.01111111111111112
TNR: 0.9888888888888889
FNR: NaN

DICTIONARY SIZE: 115

TP: 0.0
FP: 6.0
TN: 577.0
FN: 0.0
TPR: NaN
FPR: 0.010291595197255575
TNR: 0.9897084048027445
FNR: NaN

DICTIONARY SIZE: 117

TP: 40.0
FP: 64.0
TN: 521.0
FN: 0.0
TPR: 1.0
FPR: 0.1094017094017094
TNR: 0.8905982905982905
FNR: 0.0

DICTIONARY SIZE: 161

TP: 0.0
FP: 5.0
TN: 535.0
FN: 0.0
TPR: NaN
FPR: 0.009259259259259259
TNR: 0.9907407407407407
FNR: NaN

DICTIONARY SIZE: 142

TP: 38.0
FP: 38.0
TN: 532.0
FN: 2.0
TPR: 0.95
FPR: 0.06666666666666667
TNR: 0.9333333333333333
FNR: 0.05

-----DYNAMIC WITH 0.9 WEIGHT , DISCARD 20% freq, WITH ENHANCEMENTS

DICTIONARY SIZE: 57

TP: 0.0
FP: 66.0
TN: 508.0
FN: 0.0
TPR: NaN
FPR: 0.11498257839721254
TNR: 0.8850174216027874
FNR: NaN

DICTIONARY SIZE: 86

TP: 0.0
FP: 33.0

TN: 551.0
FN: 0.0
TPR: NaN
FPR: 0.05650684931506849
TNR: 0.9434931506849316
FNR: NaN

DICTIONARY SIZE: 80

TP: 0.0
FP: 35.0
TN: 513.0
FN: 0.0
TPR: NaN
FPR: 0.06386861313868614
TNR: 0.9361313868613139
FNR: NaN

DICTIONARY SIZE: 87

TP: 39.0
FP: 13.0
TN: 574.0
FN: 1.0
TPR: 0.975
FPR: 0.022146507666098807
TNR: 0.9778534923339012
FNR: 0.025

DICTIONARY SIZE: 117

TP: 0.0
FP: 6.0
TN: 534.0
FN: 0.0
TPR: NaN
FPR: 0.01111111111111112
TNR: 0.9888888888888889
FNR: NaN

DICTIONARY SIZE: 117

TP: 0.0
FP: 10.0
TN: 573.0
FN: 0.0
TPR: NaN
FPR: 0.017152658662092625
TNR: 0.9828473413379074
FNR: NaN

DICTIONARY SIZE: 108

TP: 40.0
FP: 69.0
TN: 516.0
FN: 0.0
TPR: 1.0
FPR: 0.11794871794871795

TNR: 0.882051282051282
FNR: 0.0

DICTIONARY SIZE: 143

TP: 0.0
FP: 7.0
TN: 533.0
FN: 0.0
TPR: NaN
FPR: 0.012962962962962963
TNR: 0.987037037037037
FNR: NaN

DICTIONARY SIZE: 141

TP: 39.0
FP: 15.0
TN: 555.0
FN: 1.0
TPR: 0.975
FPR: 0.02631578947368421
TNR: 0.9736842105263158
FNR: 0.025

-----DYNAMIC WITH 0.7 WEIGHT , DISCARD 20% freq, WITH ENHANCEMENTS

DICTIONARY SIZE: 57

TP: 0.0
FP: 66.0
TN: 508.0
FN: 0.0
TPR: NaN
FPR: 0.11498257839721254
TNR: 0.8850174216027874
FNR: NaN

DICTIONARY SIZE: 82

TP: 0.0
FP: 34.0
TN: 550.0
FN: 0.0
TPR: NaN
FPR: 0.05821917808219178
TNR: 0.9417808219178082
FNR: NaN

DICTIONARY SIZE: 82

TP: 0.0
FP: 33.0
TN: 515.0
FN: 0.0
TPR: NaN
FPR: 0.060218978102189784
TNR: 0.9397810218978102
FNR: NaN

DICTIONARY SIZE: 93

TP: 39.0
FP: 12.0
TN: 575.0
FN: 1.0
TPR: 0.975
FPR: 0.020442930153321975
TNR: 0.979557069846678
FNR: 0.025

DICTIONARY SIZE: 119

TP: 0.0
FP: 3.0
TN: 537.0
FN: 0.0
TPR: NaN
FPR: 0.005555555555555556
TNR: 0.9944444444444445
FNR: NaN

DICTIONARY SIZE: 119

TP: 0.0
FP: 11.0
TN: 572.0
FN: 0.0
TPR: NaN
FPR: 0.018867924528301886
TNR: 0.9811320754716981
FNR: NaN

DICTIONARY SIZE: 106

TP: 40.0
FP: 52.0
TN: 533.0
FN: 0.0
TPR: 1.0
FPR: 0.0888888888888889
TNR: 0.9111111111111111
FNR: 0.0

DICTIONARY SIZE: 153

TP: 0.0
FP: 7.0
TN: 533.0
FN: 0.0
TPR: NaN
FPR: 0.012962962962962963
TNR: 0.987037037037037
FNR: NaN

DICTIONARY SIZE: 143

TP: 38.0

FP: 18.0
TN: 552.0
FN: 2.0
TPR: 0.95
FPR: 0.031578947368421054
TNR: 0.968421052631579
FNR: 0.05

-----DYNAMIC WITH 0.5 WEIGHT , DISCARD 20% freq, WITH ENHANCEMENTS

DICTIONARY SIZE: 57

TP: 0.0
FP: 66.0
TN: 508.0
FN: 0.0
TPR: NaN
FPR: 0.11498257839721254
TNR: 0.8850174216027874
FNR: NaN

DICTIONARY SIZE: 83

TP: 0.0
FP: 34.0
TN: 550.0
FN: 0.0
TPR: NaN
FPR: 0.05821917808219178
TNR: 0.9417808219178082
FNR: NaN

DICTIONARY SIZE: 86

TP: 0.0
FP: 33.0
TN: 515.0
FN: 0.0
TPR: NaN
FPR: 0.060218978102189784
TNR: 0.9397810218978102
FNR: NaN

DICTIONARY SIZE: 86

TP: 39.0
FP: 14.0
TN: 573.0
FN: 1.0
TPR: 0.975
FPR: 0.02385008517887564
TNR: 0.9761499148211243
FNR: 0.025

DICTIONARY SIZE: 121

TP: 0.0
FP: 3.0
TN: 537.0
FN: 0.0

TPR: NaN
FPR: 0.005555555555555556
TNR: 0.9944444444444445
FNR: NaN

DICTIONARY SIZE: 113

TP: 0.0
FP: 7.0
TN: 576.0
FN: 0.0
TPR: NaN
FPR: 0.012006861063464836
TNR: 0.9879931389365352
FNR: NaN

DICTIONARY SIZE: 109

TP: 40.0
FP: 50.0
TN: 535.0
FN: 0.0
TPR: 1.0
FPR: 0.08547008547008547
TNR: 0.9145299145299145
FNR: 0.0

DICTIONARY SIZE: 145

TP: 0.0
FP: 2.0
TN: 538.0
FN: 0.0
TPR: NaN
FPR: 0.003703703703703704
TNR: 0.9962962962962963
FNR: NaN

DICTIONARY SIZE: 142

TP: 38.0
FP: 13.0
TN: 557.0
FN: 2.0
TPR: 0.95
FPR: 0.02280701754385965
TNR: 0.9771929824561404
FNR: 0.05

-----DYNAMIC WITH 0.3 WEIGHT , DISCARD 20% freq, WITH ENHANCEMENTS

DICTIONARY SIZE: 57

TP: 0.0
FP: 66.0
TN: 508.0
FN: 0.0
TPR: NaN
FPR: 0.11498257839721254
TNR: 0.8850174216027874

FNR: NaN

DICTIONARY SIZE: 85

TP: 0.0
FP: 35.0
TN: 549.0
FN: 0.0
TPR: NaN
FPR: 0.059931506849315065
TNR: 0.940068493150685
FNR: NaN

DICTIONARY SIZE: 84

TP: 0.0
FP: 36.0
TN: 512.0
FN: 0.0
TPR: NaN
FPR: 0.06569343065693431
TNR: 0.9343065693430657
FNR: NaN

DICTIONARY SIZE: 87

TP: 39.0
FP: 12.0
TN: 575.0
FN: 1.0
TPR: 0.975
FPR: 0.020442930153321975
TNR: 0.979557069846678
FNR: 0.025

DICTIONARY SIZE: 114

TP: 0.0
FP: 6.0
TN: 534.0
FN: 0.0
TPR: NaN
FPR: 0.01111111111111112
TNR: 0.9888888888888889
FNR: NaN

DICTIONARY SIZE: 109

TP: 0.0
FP: 6.0
TN: 577.0
FN: 0.0
TPR: NaN
FPR: 0.010291595197255575
TNR: 0.9897084048027445
FNR: NaN

DICTIONARY SIZE: 103

TP: 40.0
FP: 55.0
TN: 530.0
FN: 0.0
TPR: 1.0
FPR: 0.09401709401709402
TNR: 0.905982905982906
FNR: 0.0

DICTIONARY SIZE: 150

TP: 0.0
FP: 1.0
TN: 539.0
FN: 0.0
TPR: NaN
FPR: 0.001851851851851852
TNR: 0.9981481481481481
FNR: NaN

DICTIONARY SIZE: 147

TP: 38.0
FP: 11.0
TN: 559.0
FN: 2.0
TPR: 0.95
FPR: 0.01929824561403509
TNR: 0.980701754385965
FNR: 0.05

-----DYNAMIC WITH NO WEIGHT , DISCARD 20% LENGTH, WITH ENHANCEMENTS

DICTIONARY SIZE: 57

TP: 0.0
FP: 61.0
TN: 513.0
FN: 0.0
TPR: NaN
FPR: 0.10627177700348432
TNR: 0.8937282229965157
FNR: NaN

DICTIONARY SIZE: 82

TP: 0.0
FP: 39.0
TN: 545.0
FN: 0.0
TPR: NaN
FPR: 0.06678082191780822
TNR: 0.9332191780821918
FNR: NaN

DICTIONARY SIZE: 104

TP: 0.0
FP: 15.0

TN: 533.0
FN: 0.0
TPR: NaN
FPR: 0.02737226277372263
TNR: 0.9726277372262774
FNR: NaN

DICTIONARY SIZE: 107

TP: 39.0
FP: 11.0
TN: 576.0
FN: 1.0
TPR: 0.975
FPR: 0.018739352640545145
TNR: 0.9812606473594548
FNR: 0.025

DICTIONARY SIZE: 143

TP: 0.0
FP: 1.0
TN: 539.0
FN: 0.0
TPR: NaN
FPR: 0.001851851851851852
TNR: 0.9981481481481481
FNR: NaN

DICTIONARY SIZE: 143

TP: 0.0
FP: 4.0
TN: 579.0
FN: 0.0
TPR: NaN
FPR: 0.00686106346483705
TNR: 0.9931389365351629
FNR: NaN

DICTIONARY SIZE: 136

TP: 40.0
FP: 63.0
TN: 522.0
FN: 0.0
TPR: 1.0
FPR: 0.1076923076923077
TNR: 0.8923076923076924
FNR: 0.0

DICTIONARY SIZE: 190

TP: 0.0
FP: 3.0
TN: 537.0
FN: 0.0
TPR: NaN
FPR: 0.005555555555555556

TNR: 0.9944444444444445
FNR: NaN

DICTIONARY SIZE: 152

TP: 38.0
FP: 31.0
TN: 539.0
FN: 2.0
TPR: 0.95
FPR: 0.054385964912280704
TNR: 0.9456140350877194
FNR: 0.05

-----DYNAMIC WITH NO WEIGHT , DISCARD 20% LENGTH*FREQ, WITH ENHANCEMENTS

DICTIONARY SIZE: 57

TP: 0.0
FP: 61.0
TN: 513.0
FN: 0.0
TPR: NaN
FPR: 0.10627177700348432
TNR: 0.8937282229965157
FNR: NaN

DICTIONARY SIZE: 83

TP: 0.0
FP: 34.0
TN: 550.0
FN: 0.0
TPR: NaN
FPR: 0.05821917808219178
TNR: 0.9417808219178082
FNR: NaN

DICTIONARY SIZE: 95

TP: 0.0
FP: 25.0
TN: 523.0
FN: 0.0
TPR: NaN
FPR: 0.04562043795620438
TNR: 0.9543795620437956
FNR: NaN

DICTIONARY SIZE: 95

TP: 39.0
FP: 11.0
TN: 576.0
FN: 1.0
TPR: 0.975
FPR: 0.018739352640545145
TNR: 0.9812606473594548
FNR: 0.025

DICTIONARY SIZE: 120

TP: 0.0
FP: 2.0
TN: 538.0
FN: 0.0
TPR: NaN
FPR: 0.003703703703703704
TNR: 0.9962962962962963
FNR: NaN

DICTIONARY SIZE: 115

TP: 0.0
FP: 7.0
TN: 576.0
FN: 0.0
TPR: NaN
FPR: 0.012006861063464836
TNR: 0.9879931389365352
FNR: NaN

DICTIONARY SIZE: 103

TP: 40.0
FP: 60.0
TN: 525.0
FN: 0.0
TPR: 1.0
FPR: 0.10256410256410256
TNR: 0.8974358974358975
FNR: 0.0

DICTIONARY SIZE: 153

TP: 0.0
FP: 5.0
TN: 535.0
FN: 0.0
TPR: NaN
FPR: 0.009259259259259259
TNR: 0.9907407407407407
FNR: NaN

DICTIONARY SIZE: 129

TP: 38.0
FP: 10.0
TN: 560.0
FN: 2.0
TPR: 0.95
FPR: 0.017543859649122806
TNR: 0.9824561403508771
FNR: 0.05

-----DYNAMIC WITH 0.9 WEIGHT , DISCARD 20% LENGTH*FREQ, WITH ENHANCEMENTS

DICTIONARY SIZE: 57

TP: 0.0
FP: 61.0
TN: 513.0
FN: 0.0
TPR: NaN
FPR: 0.10627177700348432
TNR: 0.8937282229965157
FNR: NaN

DICTIONARY SIZE: 86

TP: 0.0
FP: 36.0
TN: 548.0
FN: 0.0
TPR: NaN
FPR: 0.06164383561643835
TNR: 0.9383561643835616
FNR: NaN

DICTIONARY SIZE: 91

TP: 0.0
FP: 20.0
TN: 528.0
FN: 0.0
TPR: NaN
FPR: 0.0364963503649635
TNR: 0.9635036496350365
FNR: NaN

DICTIONARY SIZE: 95

TP: 39.0
FP: 17.0
TN: 570.0
FN: 1.0
TPR: 0.975
FPR: 0.028960817717206135
TNR: 0.9710391822827938
FNR: 0.025

DICTIONARY SIZE: 116

TP: 0.0
FP: 2.0
TN: 538.0
FN: 0.0
TPR: NaN
FPR: 0.003703703703703704
TNR: 0.9962962962962963
FNR: NaN

DICTIONARY SIZE: 110

TP: 0.0
FP: 6.0
TN: 577.0
FN: 0.0

TPR: NaN
FPR: 0.010291595197255575
TNR: 0.9897084048027445
FNR: NaN

DICTIONARY SIZE: 103

TP: 40.0
FP: 88.0
TN: 497.0
FN: 0.0
TPR: 1.0
FPR: 0.15042735042735042
TNR: 0.8495726495726496
FNR: 0.0

DICTIONARY SIZE: 151

TP: 0.0
FP: 4.0
TN: 536.0
FN: 0.0
TPR: NaN
FPR: 0.007407407407407408
TNR: 0.9925925925925926
FNR: NaN

DICTIONARY SIZE: 134

TP: 39.0
FP: 14.0
TN: 556.0
FN: 1.0
TPR: 0.975
FPR: 0.02456140350877193
TNR: 0.9754385964912281
FNR: 0.025

-----DYNAMIC WITH 0.7 WEIGHT , DISCARD 20% LENGTH*FREQ, WITH ENHANCEMENTS

DICTIONARY SIZE: 57

TP: 0.0
FP: 61.0
TN: 513.0
FN: 0.0
TPR: NaN
FPR: 0.10627177700348432
TNR: 0.8937282229965157
FNR: NaN

DICTIONARY SIZE: 86

TP: 0.0
FP: 35.0
TN: 549.0
FN: 0.0
TPR: NaN
FPR: 0.059931506849315065

TNR: 0.940068493150685
FNR: NaN

DICTIONARY SIZE: 92

TP: 0.0
FP: 26.0
TN: 522.0
FN: 0.0
TPR: NaN
FPR: 0.04744525547445255
TNR: 0.9525547445255474
FNR: NaN

DICTIONARY SIZE: 98

TP: 39.0
FP: 18.0
TN: 569.0
FN: 1.0
TPR: 0.975
FPR: 0.030664395229982964
TNR: 0.969335604770017
FNR: 0.025

DICTIONARY SIZE: 119

TP: 0.0
FP: 2.0
TN: 538.0
FN: 0.0
TPR: NaN
FPR: 0.003703703703703704
TNR: 0.9962962962962963
FNR: NaN

DICTIONARY SIZE: 112

TP: 0.0
FP: 5.0
TN: 578.0
FN: 0.0
TPR: NaN
FPR: 0.008576329331046312
TNR: 0.9914236706689536
FNR: NaN

DICTIONARY SIZE: 107

TP: 40.0
FP: 63.0
TN: 522.0
FN: 0.0
TPR: 1.0
FPR: 0.1076923076923077
TNR: 0.8923076923076924
FNR: 0.0

DICTIONARY SIZE: 150

TP: 0.0
FP: 4.0
TN: 536.0
FN: 0.0
TPR: NaN
FPR: 0.007407407407407408
TNR: 0.9925925925925926
FNR: NaN

DICTIONARY SIZE: 135

TP: 38.0
FP: 11.0
TN: 559.0
FN: 2.0
TPR: 0.95
FPR: 0.01929824561403509
TNR: 0.980701754385965
FNR: 0.05

-----DYNAMIC WITH 0.5 WEIGHT , DISCARD 20% LENGTH*FREQ, WITH ENHANCEMENTS

DICTIONARY SIZE: 57

TP: 0.0
FP: 61.0
TN: 513.0
FN: 0.0
TPR: NaN
FPR: 0.10627177700348432
TNR: 0.8937282229965157
FNR: NaN

DICTIONARY SIZE: 87

TP: 0.0
FP: 35.0
TN: 549.0
FN: 0.0
TPR: NaN
FPR: 0.059931506849315065
TNR: 0.940068493150685
FNR: NaN

DICTIONARY SIZE: 96

TP: 0.0
FP: 26.0
TN: 522.0
FN: 0.0
TPR: NaN
FPR: 0.04744525547445255
TNR: 0.9525547445255474
FNR: NaN

DICTIONARY SIZE: 95

TP: 39.0

FP: 17.0
TN: 570.0
FN: 1.0
TPR: 0.975
FPR: 0.028960817717206135
TNR: 0.9710391822827938
FNR: 0.025

DICTIONARY SIZE: 119

TP: 0.0
FP: 6.0
TN: 534.0
FN: 0.0
TPR: NaN
FPR: 0.011111111111111112
TNR: 0.9888888888888889
FNR: NaN

DICTIONARY SIZE: 111

TP: 0.0
FP: 5.0
TN: 578.0
FN: 0.0
TPR: NaN
FPR: 0.008576329331046312
TNR: 0.9914236706689536
FNR: NaN

DICTIONARY SIZE: 100

TP: 40.0
FP: 55.0
TN: 530.0
FN: 0.0
TPR: 1.0
FPR: 0.09401709401709402
TNR: 0.905982905982906
FNR: 0.0

DICTIONARY SIZE: 146

TP: 0.0
FP: 2.0
TN: 538.0
FN: 0.0
TPR: NaN
FPR: 0.003703703703703704
TNR: 0.9962962962962963
FNR: NaN

DICTIONARY SIZE: 143

TP: 38.0
FP: 20.0
TN: 550.0
FN: 2.0
TPR: 0.95

FPR: 0.03508771929824561
TNR: 0.9649122807017544
FNR: 0.05

-----DYNAMIC WITH 0.3 WEIGHT , DISCARD 20% LENGTH*FREQ, WITH ENHANCEMENTS

DICTIONARY SIZE: 57

TP: 0.0
FP: 61.0
TN: 513.0
FN: 0.0
TPR: NaN
FPR: 0.10627177700348432
TNR: 0.8937282229965157
FNR: NaN

DICTIONARY SIZE: 85

TP: 0.0
FP: 36.0
TN: 548.0
FN: 0.0
TPR: NaN
FPR: 0.06164383561643835
TNR: 0.9383561643835616
FNR: NaN

DICTIONARY SIZE: 96

TP: 0.0
FP: 28.0
TN: 520.0
FN: 0.0
TPR: NaN
FPR: 0.051094890510948905
TNR: 0.948905109489051
FNR: NaN

DICTIONARY SIZE: 85

TP: 39.0
FP: 14.0
TN: 573.0
FN: 1.0
TPR: 0.975
FPR: 0.02385008517887564
TNR: 0.9761499148211243
FNR: 0.025

DICTIONARY SIZE: 115

TP: 0.0
FP: 4.0
TN: 536.0
FN: 0.0
TPR: NaN
FPR: 0.007407407407407408
TNR: 0.9925925925925926
FNR: NaN

DICTIONARY SIZE: 108

TP: 0.0
FP: 4.0
TN: 579.0
FN: 0.0
TPR: NaN
FPR: 0.00686106346483705
TNR: 0.9931389365351629
FNR: NaN

DICTIONARY SIZE: 105

TP: 40.0
FP: 57.0
TN: 528.0
FN: 0.0
TPR: 1.0
FPR: 0.09743589743589744
TNR: 0.9025641025641026
FNR: 0.0

DICTIONARY SIZE: 147

TP: 0.0
FP: 6.0
TN: 534.0
FN: 0.0
TPR: NaN
FPR: 0.01111111111111112
TNR: 0.9888888888888889
FNR: NaN

DICTIONARY SIZE: 147

TP: 38.0
FP: 27.0
TN: 543.0
FN: 2.0
TPR: 0.95
FPR: 0.04736842105263158
TNR: 0.9526315789473684
FNR: 0.05