|  |  |  |
| --- | --- | --- |
| Overlap | 1 | 0.6909 |
| Overlap | 3 | 0.7227 |
| Overlap | 5 | 0.7181 |
| MVDM | 1 | 0.7 |
| MVDM | 3 | 0.7227 |
| MVDM | 5 | 0.7272 |

IB1 (weighted overlap) (K=1)

timbl -mO +v cm -k1 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 4.8763 (45.12 p/s)

F-Score beta=1, microav: 0.817204

F-Score beta=1, macroav: 0.817204

AUC, microav: 0.481136

AUC, macroav: 0.484611

overall accuracy: 0.690909 (152/220), of which 1 exact matches

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 152 6 2

FAVOR | 32 0 0

NONE | 28 0 0

-\*- | 0 0 0

IB1 (weighted overlap) (K=3)

timbl -mO +v cm -k3 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 5.5466 (39.66 p/s)

F-Score beta=1, microav: 0.668615

F-Score beta=1, macroav: 0.474222

AUC, microav: 0.508377

AUC, macroav: 0.510206

overall accuracy: 0.722727 (159/220), of which 1 exact matches

There was 1 tie of which 1 (100.00%) was correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 157 2 1

FAVOR | 30 2 0

NONE | 28 0 0

-\*- | 0 0 0

IB1 (weighted overlap) (K=5)

timbl -mO +v cm -k5 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 6.0416 (36.41 p/s)

F-Score beta=1, microav: 0.835979

F-Score beta=1, macroav: 0.835979

AUC, microav: 0.495342

AUC, macroav: 0.496144

overall accuracy: 0.718182 (158/220), of which 1 exact matches

There were 5 ties of which 2 (40.00%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 158 2 0

FAVOR | 32 0 0

NONE | 28 0 0

-\*- | 0 0 0

IGTREE

timbl -a1 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 0.8193 (268.52 p/s)

overall accuracy: 0.677273 (149/220)

IB1 (MVDM) (K=1)

timbl -mM +v cm -k1 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 4.2499 (51.77 p/s)

F-Score beta=1, microav: 0.612505

F-Score beta=1, macroav: 0.444624

AUC, microav: 0.492592

AUC, macroav: 0.495251

overall accuracy: 0.700000 (154/220), of which 1 exact matches

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 153 6 1

FAVOR | 32 0 0

NONE | 27 0 1

-\*- | 0 0 0

IB1 (MVDM) (K=3)

timbl -mM +v cm -k3 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 4.7666 (46.15 p/s)

F-Score beta=1, microav: 0.839050

F-Score beta=1, macroav: 0.839050

AUC, microav: 0.497671

AUC, macroav: 0.498072

overall accuracy: 0.722727 (159/220), of which 1 exact matches

There was 1 tie of which 0 (0.00%) was correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 159 1 0

FAVOR | 32 0 0

NONE | 28 0 0

-\*- | 0 0 0

IB1 (MVDM) (K=5)

timbl -mM +v cm -k5 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 5.1215 (42.96 p/s)

F-Score beta=1, microav: 0.842105

F-Score beta=1, macroav: 0.842105

AUC, microav: 0.500000

AUC, macroav: 0.500000

overall accuracy: 0.727273 (160/220), of which 1 exact matches

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 160 0 0

FAVOR | 32 0 0

NONE | 28 0 0

-\*- | 0 0 0

IB1 (MVDM) (K=3) (Inverse Distance)

timbl -mM -k5 -dID -f train\_feat.csv -t test\_feat.csv

Seconds taken: 5.0241 (43.79 p/s)

overall accuracy: 0.727273 (160/220), of which 1 exact matches

TRIBL2:

timbl -a4 +v cm -f train\_feat.csv -t test\_feat.csv

Seconds taken: 1.6655 (132.09 p/s)

F-Score beta=1, microav: 0.554880

F-Score beta=1, macroav: 0.399683

AUC, microav: 0.526059

AUC, macroav: 0.535269

overall accuracy: 0.672727 (148/220), of which 1 exact matches

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 139 12 9

FAVOR | 28 4 0

NONE | 23 0 5

-\*- | 0 0 0

============================================================

timbl -mD +v cm -k5 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 993.0870 (0.22 p/s)

F-Score beta=1, microav: 0.577486

F-Score beta=1, macroav: 0.429005

AUC, microav: 0.574054

AUC, macroav: 0.570997

overall accuracy: 0.695455 (153/220)

There were 3 ties of which 1 (33.33%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 141 15 4

FAVOR | 21 9 2

NONE | 22 3 3

-\*- | 0 0 0

timbl -mD +v cm -k3 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 1035.2057 (0.21 p/s)

F-Score beta=1, microav: 0.618351

F-Score beta=1, macroav: 0.503023

AUC, microav: 0.**637990**

AUC, macroav: 0.**635755**

overall accuracy: 0.690909 (152/220)

There were 11 ties of which 6 (54.55%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 130 22 8

FAVOR | 13 16 3

NONE | 18 4 6

-\*- | 0 0 0

timbl -mC +v cm -k5 -f train\_feat.csv -t test\_feat.csv

Seconds taken: -1247.4022 (-0.18 p/s)

F-Score beta=1, microav: 0.610272

F-Score beta=1, macroav: 0.477640

AUC, microav: 0.589049

AUC, macroav: 0.594086

overall accuracy: 0.740909 (163/220)

There were 9 ties of which 3 (33.33%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 149 5 6

FAVOR | 20 12 0

NONE | 25 1 2

-\*- | 0 0 0

timbl -mC +v cm -k3 -f train\_feat.csv -t test\_feat.csv

Seconds taken: -1256.8064 (-0.18 p/s)

F-Score beta=1, microav: 0.619954

F-Score beta=1, macroav: 0.488795

AUC, microav: 0.598566

AUC, macroav: 0.599282

overall accuracy: 0.722727 (159/220)

There were 8 ties of which 4 (50.00%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 144 7 9

FAVOR | 21 9 2

NONE | 21 1 6

-\*- | 0 0 0

timbl -mD -w2 +v cm -k5 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 1005.3148 (0.22 p/s)

F-Score beta=1, microav: 0.561619

F-Score beta=1, macroav: 0.390714

AUC, microav: 0.552185

AUC, macroav: 0.548879

overall accuracy: 0.727273 (160/220)

There were 6 ties of which 3 (50.00%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 153 6 1

FAVOR | 24 6 2

NONE | 26 1 1

-\*- | 0 0 0

timbl -mD -w2 +v cm -k3 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 1030.6930 (0.21 p/s)

F-Score beta=1, microav: 0.592748

F-Score beta=1, macroav: 0.448313

AUC, microav: 0.599829

AUC, macroav: 0.593882

overall accuracy: 0.718182 (158/220)

There were 10 ties of which 4 (40.00%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 144 13 3

FAVOR | 18 12 2

NONE | 22 4 2

-\*- | 0 0 0

timbl -mD -w1 +v cm -k3 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 1034.4338 (0.21 p/s)

F-Score beta=1, microav: 0.618351

F-Score beta=1, macroav: 0.503023

AUC, microav: 0.**637990**

AUC, macroav: 0.**635755**

overall accuracy: 0.690909 (152/220)

There were 11 ties of which 6 (54.55%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 130 22 8

FAVOR | 13 16 3

NONE | 18 4 6

-\*- | 0 0 0

timbl -mD -w1 +v cm -k5 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 993.6930 (0.22 p/s)

F-Score beta=1, microav: 0.577486

F-Score beta=1, macroav: 0.429005

AUC, microav: 0.574054

AUC, macroav: 0.570997

overall accuracy: 0.695455 (153/220)

There were 3 ties of which 1 (33.33%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 141 15 4

FAVOR | 21 9 2

NONE | 22 3 3

-\*- | 0 0 0

timbl -mC -w2 +v cm -k3 -f train\_feat.csv -t test\_feat.csv

Seconds taken: -1333.0675 (-0.17 p/s)

F-Score beta=1, microav: 0.593105

F-Score beta=1, macroav: 0.457964

AUC, microav: 0.587098

AUC, macroav: 0.588023

overall accuracy: 0.695455 (153/220)

There were 2 ties of which 2 (100.00%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 138 18 4

FAVOR | 19 11 2

NONE | 22 2 4

-\*- | 0 0 0

timbl -mC -w2 +v cm -k5 -f train\_feat.csv -t test\_feat.csv

Seconds taken: -1311.5173 (-0.17 p/s)

F-Score beta=1, microav: 0.628004

F-Score beta=1, macroav: 0.491279

AUC, microav: 0.605522

AUC, macroav: 0.603157

overall accuracy: 0.750000 (165/220)

There were 3 ties of which 1 (33.33%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 151 7 2

FAVOR | 21 10 1

NONE | 22 2 4

-\*- | 0 0 0

timbl -mD -w0 +v cm -k3 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 985.5048 (0.22 p/s)

F-Score beta=1, microav: 0.662251

F-Score beta=1, macroav: 0.452467

AUC, microav: 0.507740

AUC, macroav: 0.507986

overall accuracy: 0.731818 (161/220)

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 160 0 0

FAVOR | 31 1 0

NONE | 28 0 0

-\*- | 0 0 0

timbl -mD -w0 +v cm -k5 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 979.4007 (0.22 p/s)

F-Score beta=1, microav: 0.842105

F-Score beta=1, macroav: 0.842105

AUC, microav: 0.500000

AUC, macroav: 0.500000

overall accuracy: 0.727273 (160/220)

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 160 0 0

FAVOR | 32 0 0

NONE | 28 0 0

-\*- | 0 0 0

timbl -mD -w3 +v cm -k3 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 1028.4162 (0.21 p/s)

F-Score beta=1, microav: 0.609692

F-Score beta=1, macroav: 0.470108

AUC, microav: 0.**623174**

AUC, macroav: 0.**612453**

overall accuracy: 0.722727 (159/220)

There were 10 ties of which 5 (50.00%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 143 14 3

FAVOR | 17 13 2

NONE | 19 6 3

-\*- | 0 0 0

timbl -mD -w3 +v cm -k5 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 1011.0462 (0.22 p/s)

F-Score beta=1, microav: 0.563247

F-Score beta=1, macroav: 0.392285

AUC, microav: 0.556412

AUC, macroav: 0.550807

overall accuracy: 0.727273 (160/220)

There were 7 ties of which 4 (57.14%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 153 5 2

FAVOR | 23 6 3

NONE | 26 1 1

-\*- | 0 0 0

timbl -mD -w4 +v cm -k3 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 1023.6419 (0.21 p/s)

F-Score beta=1, microav: 0.609692

F-Score beta=1, macroav: 0.470108

AUC, microav: 0.**623174**

AUC, macroav: 0.**612453**

overall accuracy: 0.722727 (159/220)

There were 10 ties of which 5 (50.00%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 143 14 3

FAVOR | 17 13 2

NONE | 19 6 3

-\*- | 0 0 0

timbl -mD -dID +v cm -k3 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 1009.5451 (0.22 p/s)

F-Score beta=1, microav: 0.608563

F-Score beta=1, macroav: 0.492545

AUC, microav: 0.635231

AUC, macroav: 0.631899

overall accuracy: 0.677273 (149/220)

There were 5 ties of which 3 (60.00%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 127 23 10

FAVOR | 13 16 3

NONE | 17 5 6

-\*- | 0 0 0

timbl -mD -dIL +v cm -k3 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 980.8338 (0.22 p/s)

F-Score beta=1, microav: 0.546690

F-Score beta=1, macroav: 0.447133

AUC, microav: 0.628753

AUC, macroav: 0.622526

overall accuracy: 0.563636 (124/220)

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 98 38 24

FAVOR | 12 16 4

NONE | 8 10 10

-\*- | 0 0 0

timbl -mD -dID -w3 +v cm -k3 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 996.6077 (0.22 p/s)

F-Score beta=1, microav: 0.612260

F-Score beta=1, macroav: 0.477839

AUC, microav: 0.635896

AUC, macroav: 0.624569

overall accuracy: 0.718182 (158/220)

There were 3 ties of which 2 (66.67%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 140 16 4

FAVOR | 14 15 3

NONE | 19 6 3

-\*- | 0 0 0

timbl -mD -dIL -w3 +v cm -k3 -f train\_feat.csv -t test\_feat.csv

Seconds taken: 995.0526 (0.22 p/s)

F-Score beta=1, microav: 0.608744

F-Score beta=1, macroav: 0.490708

AUC, microav: 0.655692

AUC, macroav: 0.643667

overall accuracy: 0.672727 (148/220)

There were 2 ties of which 1 (50.00%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 125 23 12

FAVOR | 10 17 5

NONE | 15 7 6

-\*- | 0 0 0

timbl -mD -dIL -w3 -b1 +v cm -k3 -f train\_feat.csv -t test\_feat.csv -a3

Seconds taken: 373.1736 (0.59 p/s)

F-Score beta=1, microav: 0.575121

F-Score beta=1, macroav: 0.474083

AUC, microav: 0.617026

AUC, macroav: 0.612244

overall accuracy: 0.631818 (139/220)

There were 5 ties of which 3 (60.00%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 118 30 12

FAVOR | 17 10 5

NONE | 13 4 11

-\*- | 0 0 0

timbl -mD -dIL -w3 -b2 +v cm -k3 -f train\_feat.csv -t test\_feat.csv -a3

Seconds taken: 372.1010 (0.59 p/s)

F-Score beta=1, microav: 0.555171

F-Score beta=1, macroav: 0.440679

AUC, microav: 0.591432

AUC, macroav: 0.585396

overall accuracy: 0.627273 (138/220)

There were 10 ties of which 5 (50.00%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 121 24 15

FAVOR | 20 7 5

NONE | 14 4 10

-\*- | 0 0 0

timbl -mD -dIL -w3 -b5 +v cm -k3 -f train\_feat.csv -t test\_feat.csv -a3

Seconds taken: 370.9852 (0.59 p/s)

F-Score beta=1, microav: 0.569401

F-Score beta=1, macroav: 0.469453

AUC, microav: 0.615076

AUC, macroav: 0.611555

overall accuracy: 0.631818 (139/220)

There were 3 ties of which 2 (66.67%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 118 27 15

FAVOR | 16 11 5

NONE | 14 4 10

-\*- | 0 0 0

timbl -mD -dIL -w3 -b10 +v cm -k3 -f train\_feat.csv -t test\_feat.csv -a3

Seconds taken: 375.6938 (0.59 p/s)

F-Score beta=1, microav: 0.579867

F-Score beta=1, macroav: 0.475983

AUC, microav: 0.614887

AUC, macroav: 0.611282

overall accuracy: 0.650000 (143/220)

There were 9 ties of which 2 (22.22%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 123 23 14

FAVOR | 18 10 4

NONE | 14 4 10

-\*- | 0 0 0

timbl -mD -dIL -w3 +v cm -k3 -f train\_feat.csv -t test\_feat.csv -a2 -q2

Seconds taken: 1053.8927 (0.21 p/s)

F-Score beta=1, microav: 0.617433

F-Score beta=1, macroav: 0.505824

AUC, microav: 0.643774

AUC, macroav: 0.640703

overall accuracy: 0.681818 (150/220)

There was 1 tie of which 1 (100.00%) was correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 127 21 12

FAVOR | 11 16 5

NONE | 18 3 7

-\*- | 0 0 0

timbl -mD -dIL -w3 +v cm -k3 -f train\_feat.csv -t test\_feat.csv -a2 -q3

Seconds taken: 749.6945 (0.29 p/s)

F-Score beta=1, microav: 0.626823

F-Score beta=1, macroav: 0.516387

AUC, microav: 0.657247

AUC, macroav: 0.651324

overall accuracy: 0.686364 (151/220)

There were 2 ties of which 1 (50.00%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 127 21 12

FAVOR | 11 16 5

NONE | 16 4 8

-\*- | 0 0 0

timbl -mD -dIL -w3 +v cm -k3 -f train\_feat.csv -t test\_feat.csv -a2 -q5

Seconds taken: 514.2849 (0.43 p/s)

F-Score beta=1, microav: 0.634792

F-Score beta=1, macroav: 0.531263

AUC, microav: 0.658159

AUC, macroav: 0.657493

overall accuracy: 0.695455 (153/220)

There were 2 ties of which 1 (50.00%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 128 18 14

FAVOR | 10 17 5

NONE | 18 2 8

-\*- | 0 0 0

timbl -mD -dIL -w3 +v cm -k3 -f train\_feat.csv -t test\_feat.csv -a2 -q10

Seconds taken: 407.3379 (0.54 p/s)

F-Score beta=1, microav: 0.631545

F-Score beta=1, macroav: 0.533400

AUC, microav: 0.646557

AUC, macroav: 0.651837

overall accuracy: 0.690909 (152/220)

There were 3 ties of which 2 (66.67%) were correctly resolved

Confusion Matrix:

AGAINST FAVOR NONE

---------------------

AGAINST | 127 16 17

FAVOR | 10 17 5

NONE | 20 0 8

-\*- | 0 0 0