

# dal - Dalhousie University - MrX II Corpus

| Gold Std.<br>Filter<br>Classification | dalS1x2                  |       | dalS2x2                  |       | dalS3x2                     |       | dalS4x2                     |       |
|---------------------------------------|--------------------------|-------|--------------------------|-------|-----------------------------|-------|-----------------------------|-------|
|                                       | ham                      | spam  | ham                      | spam  | ham                         | spam  | ham                         | spam  |
| Classification                        | 8882                     | 8862  | 78                       | 1     | 494                         | 5     | 5739                        | 30    |
|                                       | 157                      | 31273 | 8961                     | 40134 | 8545                        | 40130 | 3300                        | 40105 |
| Ham Misc%                             | 1.74 (1.48-2.03)         |       | 99.14 (98.92-99.32)      |       | 94.53 (94.05-94.99)         |       | 36.51 (35.51-37.51)         |       |
| Spam Misc%                            | 22.08 (21.68-22.49)      |       | 0.00 (0.00-0.01)         |       | 0.01 (0.00-0.03)            |       | 0.07 (0.05-0.11)            |       |
| Logit av Misc%                        | 6.61 (6.10 - 7.16)       |       | 5.08 (nan - nan)         |       | 4.44 (2.57 - 7.57)          |       | 2.03 (1.70 - 2.43)          |       |
| (1-ROCA)%                             | 2.5035 (2.3631 - 2.6520) |       | 5.8405 (5.5829 - 6.1091) |       | 22.9897 (22.3875 - 23.6032) |       | 18.2197 (17.5990 - 18.8572) |       |
| Ham Misc%                             | Spam Misc%               |       |                          |       |                             |       |                             |       |
| 0.01                                  | 98.34 (94.63 - 99.50)    |       | 98.20 (96.15 - 99.17)    |       | 99.74 (97.27 - 99.98)       |       | 99.97 (nan - nan)           |       |
| 0.02                                  | 95.41 (82.64 - 98.91)    |       | 97.09 (93.48 - 98.73)    |       | 97.10 (80.32 - 99.64)       |       | 99.92 (nan - nan)           |       |
| 0.05                                  | 88.90 (67.51 - 96.86)    |       | 94.11 (89.26 - 96.85)    |       | 96.59 (94.73 - 97.81)       |       | 99.90 (99.77 - 99.95)       |       |
| 0.10                                  | 75.08 (60.29 - 85.68)    |       | 89.70 (85.55 - 92.77)    |       | 94.45 (92.17 - 96.10)       |       | 99.77 (99.58 - 99.88)       |       |
| 0.20                                  | 64.24 (53.84 - 73.45)    |       | 84.98 (79.95 - 88.92)    |       | 92.33 (90.50 - 93.83)       |       | 99.36 (99.02 - 99.58)       |       |
| 0.50                                  | 49.68 (43.98 - 55.38)    |       | 74.70 (71.59 - 77.57)    |       | 87.64 (85.42 - 89.56)       |       | 98.22 (97.66 - 98.64)       |       |
| 1.00                                  | 35.23 (30.41 - 40.38)    |       | 66.55 (62.03 - 70.77)    |       | 83.92 (82.37 - 85.36)       |       | 96.67 (95.91 - 97.30)       |       |
| 2.00                                  | 20.40 (18.57 - 22.37)    |       | 51.32 (48.99 - 53.64)    |       | 79.64 (78.56 - 80.69)       |       | 94.59 (93.79 - 95.29)       |       |
| 5.00                                  | 12.07 (11.41 - 12.77)    |       | 33.49 (31.41 - 35.64)    |       | 71.46 (70.34 - 72.55)       |       | 87.05 (85.78 - 88.23)       |       |
| 10.00                                 | 7.03 (6.58 - 7.51)       |       | 18.62 (17.48 - 19.81)    |       | 62.22 (61.03 - 63.39)       |       | 73.07 (71.25 - 74.81)       |       |
| 20.00                                 | 2.82 (2.62 - 3.05)       |       | 6.93 (6.41 - 7.49)       |       | 47.79 (46.37 - 49.22)       |       | 44.21 (41.82 - 46.62)       |       |
| 50.00                                 | 0.20 (0.16 - 0.26)       |       | 0.66 (0.57 - 0.75)       |       | 13.46 (12.27 - 14.74)       |       | 0.06 (0.04 - 0.08)          |       |
| Spam Misc%                            | Ham Misc%                |       |                          |       |                             |       |                             |       |
| 0.01                                  | 97.34 (86.74 - 99.52)    |       | 91.92 (83.09 - 96.35)    |       | 98.95 (nan - nan)           |       | 90.71 (79.46 - 96.10)       |       |
| 0.02                                  | 95.12 (72.04 - 99.33)    |       | 85.78 (70.64 - 93.80)    |       | 87.48 (nan - nan)           |       | 85.20 (71.09 - 93.09)       |       |
| 0.05                                  | 66.43 (60.74 - 71.69)    |       | 73.45 (69.45 - 77.10)    |       | 82.17 (78.80 - 85.10)       |       | 61.75 (41.48 - 78.62)       |       |
| 0.10                                  | 58.40 (54.69 - 62.02)    |       | 68.49 (65.11 - 71.68)    |       | 79.80 (77.86 - 81.61)       |       | 36.51 (33.23 - 39.91)       |       |
| 0.20                                  | 50.13 (47.69 - 52.56)    |       | 61.56 (59.29 - 63.77)    |       | 76.51 (75.05 - 77.91)       |       | 36.48 (35.45 - 37.51)       |       |
| 0.50                                  | 39.83 (37.85 - 41.84)    |       | 52.83 (51.15 - 54.50)    |       | 72.01 (70.69 - 73.30)       |       | 36.41 (35.39 - 37.44)       |       |
| 1.00                                  | 31.81 (30.49 - 33.16)    |       | 45.02 (43.57 - 46.47)    |       | 68.25 (67.03 - 69.45)       |       | 36.17 (35.15 - 37.19)       |       |
| 2.00                                  | 24.12 (23.03 - 25.24)    |       | 35.00 (33.71 - 36.32)    |       | 65.11 (63.89 - 66.30)       |       | 35.78 (34.77 - 36.80)       |       |
| 5.00                                  | 13.98 (13.21 - 14.79)    |       | 23.07 (22.09 - 24.07)    |       | 59.43 (58.30 - 60.55)       |       | 34.66 (33.67 - 35.67)       |       |
| 10.00                                 | 6.58 (6.06 - 7.14)       |       | 16.31 (15.55 - 17.09)    |       | 53.19 (52.08 - 54.30)       |       | 32.95 (32.01 - 33.90)       |       |
| 20.00                                 | 2.07 (1.77 - 2.42)       |       | 9.27 (8.67 - 9.91)       |       | 44.10 (43.00 - 45.20)       |       | 29.17 (28.23 - 30.13)       |       |
| 50.00                                 | 0.50 (0.37 - 0.67)       |       | 2.18 (1.90 - 2.50)       |       | 18.34 (17.35 - 19.38)       |       | 18.06 (17.23 - 18.92)       |       |

