

Topic: 200  
 Relevant Docs: 2544  
 Rel Estimate: 17681  
 Rel Accuracy: 14.4%  
 F1: 3.8%  
 F1 Estimate: 28.1%  
 F1 Accuracy: 13.6%  
 Best cutoff: 633  
 Cutoff Estimate: 19152  
 Cutoff Accuracy: 3.3%  
 Hypothetical F1: 19.1%  
 ROC AUC : 73.8%

Topic: 201  
 Relevant Docs: 1886  
 Rel Estimate: 6686  
 Rel Accuracy: 28.2%  
 F1: 27.1%  
 F1 Estimate: 42.2%  
 F1 Accuracy: 64.3%  
 Best cutoff: 1376  
 Cutoff Estimate: 3885  
 Cutoff Accuracy: 35.4%  
 Hypothetical F1: 34.5%  
 ROC AUC : 94.1%

Topic: 202  
 Relevant Docs: 6312  
 Rel Estimate: 16195  
 Rel Accuracy: 39.0%  
 F1: 50.7%  
 F1 Estimate: 57.6%  
 F1 Accuracy: 88.0%  
 Best cutoff: 4435  
 Cutoff Estimate: 10900  
 Cutoff Accuracy: 40.7%  
 Hypothetical F1: 70.6%  
 ROC AUC : 97.1%

Topic: 203  
 Relevant Docs: 3125  
 Rel Estimate: 7719  
 Rel Accuracy: 40.5%  
 F1: 33.4%  
 F1 Estimate: 43.3%  
 F1 Accuracy: 77.0%  
 Best cutoff: 1839  
 Cutoff Estimate: 4448  
 Cutoff Accuracy: 41.3%  
 Hypothetical F1: 39.4%  
 ROC AUC : 92.3%

Topic: 204  
 Relevant Docs: 6362  
 Rel Estimate: 7580  
 Rel Accuracy: 83.9%  
 F1: 26.0%  
 F1 Estimate: 39.1%  
 F1 Accuracy: 66.4%  
 Best cutoff: 5082  
 Cutoff Estimate: 4548  
 Cutoff Accuracy: 89.5%  
 Hypothetical F1: 26.6%  
 ROC AUC : 77.6%

Topic: 205  
 Relevant Docs: 67938  
 Rel Estimate: 33956  
 Rel Accuracy: 50.0%  
 F1: 43.7%  
 F1 Estimate: 74.1%  
 F1 Accuracy: 59.0%  
 Best cutoff: 27940

Cutoff Estimate: 30650  
 Cutoff Accuracy: 91.2%  
 Hypothetical F1: 45.9%  
 ROC AUC : 76.8%

Topic: 206  
 Relevant Docs: 866  
 Rel Estimate: 19832  
 Rel Accuracy: 4.4%  
 F1: 4.8%  
 F1 Estimate: 40.4%  
 F1 Accuracy: 11.9%  
 Best cutoff: 1234  
 Cutoff Estimate: 17318  
 Cutoff Accuracy: 7.1%  
 Hypothetical F1: 14.3%  
 ROC AUC : 84.8%

Topic: 207  
 Relevant Docs: 20929  
 Rel Estimate: 25243  
 Rel Accuracy: 82.9%  
 F1: 89.9%  
 F1 Estimate: 85.3%  
 F1 Accuracy: 94.8%  
 Best cutoff: 20541  
 Cutoff Estimate: 20678  
 Cutoff Accuracy: 99.3%  
 Hypothetical F1: 90.3%  
 ROC AUC : 96.6%

# Legal track learning task results

# XEROX

# xrceLogA

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==== Topic 200 ====
Documents returned      Relevant      Nonrelevant      Estimated Rel      Estimated Non
10 (0.000)             6 (0.002)         4 (0.000)         10 (0.001)         0 (0.000)
20 (0.000)             16 (0.006)        4 (0.000)         20 (0.001)         0 (0.000)
50 (0.000)             38 (0.015)        12 (0.000)        50 (0.003)         0 (0.000)
100 (0.000)            77 (0.030)        23 (0.000)        99 (0.006)         1 (0.000)
200 (0.000)            150 (0.059)       50 (0.000)        198 (0.011)        2 (0.000)
500 (0.001)            248 (0.098)       252 (0.000)       486 (0.027)        14 (0.000)
1000 (0.001)           293 (0.115)       707 (0.001)       880 (0.050)        120 (0.000)
2000 (0.003)           338 (0.133)       1662 (0.002)     1474 (0.083)       526 (0.001)
5000 (0.007)           364 (0.143)       4636 (0.007)     2556 (0.145)       2444 (0.004)
20000 (0.029)          414 (0.163)       19586 (0.029)    5293 (0.299)       14707 (0.022)
50000 (0.073)          710 (0.279)       49290 (0.072)    8396 (0.475)       41604 (0.062)
100000 (0.146)         858 (0.337)       99142 (0.145)    11294 (0.639)      88706 (0.133)
200000 (0.292)         1981 (0.779)      198019 (0.290)   14586 (0.825)     185414 (0.278)
500000 (0.729)         2355 (0.926)     497645 (0.729)  17376 (0.983)     482624 (0.723)
685592 (1.000)         2544 (1.000)     683048 (1.000)  17681 (1.000)     667911 (1.000)

==== Topic 201 ====
Documents returned      Relevant      Nonrelevant      Estimated Rel      Estimated Non
10 (0.000)             10 (0.005)         0 (0.000)         10 (0.001)         0 (0.000)
20 (0.000)             18 (0.010)         2 (0.000)         20 (0.003)         0 (0.000)
50 (0.000)             43 (0.023)         7 (0.000)         50 (0.007)         0 (0.000)
100 (0.000)            79 (0.042)         21 (0.000)        100 (0.015)        0 (0.000)
200 (0.000)            134 (0.071)        66 (0.000)        200 (0.030)        0 (0.000)
500 (0.001)            267 (0.142)        233 (0.000)       497 (0.074)        3 (0.000)
1000 (0.001)           455 (0.241)        545 (0.001)       963 (0.144)        37 (0.000)
2000 (0.003)           659 (0.349)        1341 (0.002)     1640 (0.245)       360 (0.001)
5000 (0.007)           840 (0.445)        4160 (0.006)     2430 (0.363)       2570 (0.004)
20000 (0.029)          890 (0.472)        19110 (0.028)    3551 (0.531)       16449 (0.024)
50000 (0.073)          1225 (0.650)       48775 (0.071)   4592 (0.687)       45408 (0.067)
100000 (0.146)         1782 (0.945)       98218 (0.144)   5226 (0.782)       94774 (0.140)
200000 (0.292)         1831 (0.971)       198169 (0.290)  5841 (0.874)       194159 (0.286)
500000 (0.729)         1876 (0.994)       498124 (0.729)  6500 (0.972)       493500 (0.727)
685592 (1.000)         1886 (1.000)       683706 (1.000)  6686 (1.000)       678906 (1.000)

==== Topic 202 ====
Documents returned      Relevant      Nonrelevant      Estimated Rel      Estimated Non
10 (0.000)             10 (0.002)         0 (0.000)         10 (0.001)         0 (0.000)
20 (0.000)             20 (0.003)         0 (0.000)         20 (0.001)         0 (0.000)
50 (0.000)             50 (0.008)         0 (0.000)         50 (0.003)         0 (0.000)
100 (0.000)            97 (0.015)         3 (0.000)         100 (0.006)        0 (0.000)
200 (0.000)            197 (0.031)        3 (0.000)         200 (0.012)        0 (0.000)
500 (0.001)            486 (0.077)        14 (0.000)        500 (0.031)        0 (0.000)
1000 (0.001)           946 (0.150)        54 (0.000)        999 (0.062)        1 (0.000)
2000 (0.003)           1708 (0.271)       292 (0.000)       1998 (0.123)       2 (0.000)
5000 (0.007)           3881 (0.615)       1119 (0.002)     4905 (0.303)       95 (0.000)
20000 (0.029)          5223 (0.827)       14777 (0.022)    9540 (0.589)       10460 (0.016)
50000 (0.073)          5566 (0.882)       44434 (0.065)   11724 (0.724)      38276 (0.057)
100000 (0.146)         5743 (0.910)       94257 (0.139)   13354 (0.825)      86646 (0.129)
200000 (0.292)         6175 (0.978)       193825 (0.285)  14750 (0.911)     185250 (0.277)
500000 (0.729)         6312 (1.000)       493688 (0.727)  15997 (0.988)     484003 (0.723)
685592 (1.000)         6312 (1.000)       679280 (1.000)  16195 (1.000)     669397 (1.000)

==== Topic 203 ====
Documents returned      Relevant      Nonrelevant      Estimated Rel      Estimated Non
10 (0.000)             8 (0.003)           2 (0.000)         10 (0.001)         0 (0.000)
20 (0.000)             18 (0.006)         2 (0.000)         20 (0.003)         0 (0.000)
50 (0.000)             48 (0.015)         2 (0.000)         50 (0.006)         0 (0.000)
100 (0.000)            90 (0.029)         10 (0.000)        100 (0.013)        0 (0.000)
200 (0.000)            151 (0.048)        49 (0.000)        199 (0.026)        1 (0.000)
500 (0.001)            296 (0.095)        204 (0.000)       494 (0.064)        6 (0.000)
1000 (0.001)           582 (0.186)        418 (0.001)       971 (0.126)        29 (0.000)
2000 (0.003)           915 (0.293)        1085 (0.002)     1759 (0.228)       241 (0.000)
5000 (0.007)           1318 (0.422)       3682 (0.005)     2748 (0.356)       2252 (0.003)
20000 (0.029)          1892 (0.605)       18108 (0.027)    3974 (0.515)       16026 (0.024)
50000 (0.073)          2291 (0.733)       47709 (0.070)    5119 (0.663)       44881 (0.066)
100000 (0.146)         2578 (0.825)       97422 (0.143)    5868 (0.760)       94132 (0.139)
200000 (0.292)         2854 (0.913)       197146 (0.289)   6649 (0.861)       193351 (0.285)
500000 (0.729)         3093 (0.990)       496907 (0.728)  7533 (0.976)       492467 (0.726)
685592 (1.000)         3125 (1.000)       682467 (1.000)  7719 (1.000)       677873 (1.000)

==== Topic 204 ====
Documents returned      Relevant      Nonrelevant      Estimated Rel      Estimated Non
10 (0.000)             10 (0.002)         0 (0.000)         10 (0.001)         0 (0.000)
20 (0.000)             19 (0.003)         1 (0.000)         20 (0.003)         0 (0.000)
50 (0.000)             48 (0.008)         2 (0.000)         50 (0.007)         0 (0.000)

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100 (0.000)            85 (0.013)         15 (0.000)         100 (0.013)         0 (0.000)
200 (0.000)            151 (0.024)        49 (0.000)         200 (0.026)         0 (0.000)
500 (0.001)            410 (0.064)        90 (0.000)         499 (0.066)         1 (0.000)
1000 (0.001)           728 (0.114)        272 (0.000)        972 (0.128)         28 (0.000)
2000 (0.003)           819 (0.129)        1181 (0.002)       1628 (0.215)        372 (0.001)
5000 (0.007)           1501 (0.236)       3499 (0.005)       2457 (0.324)        2543 (0.004)
20000 (0.029)          1894 (0.298)       18106 (0.027)     3754 (0.495)        16246 (0.024)
50000 (0.073)          2814 (0.442)       47186 (0.069)     4771 (0.629)        45229 (0.067)
100000 (0.146)         4445 (0.699)       95555 (0.141)     5693 (0.751)        94307 (0.139)
200000 (0.292)         4693 (0.738)       195307 (0.288)    6546 (0.864)        193454 (0.285)
500000 (0.729)         5193 (0.816)       494807 (0.728)   7394 (0.975)        492606 (0.727)
685592 (1.000)         6362 (1.000)       679230 (1.000)   7580 (1.000)        678012 (1.000)

==== Topic 205 ====
Documents returned      Relevant      Nonrelevant      Estimated Rel      Estimated Non
10 (0.000)             9 (0.000)           1 (0.000)          10 (0.000)          0 (0.000)
20 (0.000)             19 (0.000)          1 (0.000)          20 (0.001)          0 (0.000)
50 (0.000)             39 (0.001)          11 (0.000)         50 (0.001)          0 (0.000)
100 (0.000)            86 (0.001)          14 (0.000)         100 (0.003)         0 (0.000)
200 (0.000)            185 (0.003)         15 (0.000)         200 (0.006)         0 (0.000)
500 (0.001)            456 (0.007)         44 (0.000)         500 (0.015)         0 (0.000)
1000 (0.001)           916 (0.013)         84 (0.000)         999 (0.029)         1 (0.000)
2000 (0.003)           1860 (0.027)        140 (0.000)        1998 (0.059)        2 (0.000)
5000 (0.007)           4607 (0.068)        393 (0.001)        4990 (0.147)        10 (0.000)
20000 (0.029)          16801 (0.247)       3199 (0.005)       18386 (0.541)       1614 (0.002)
50000 (0.073)          26700 (0.393)       23300 (0.038)     28121 (0.828)       21879 (0.034)
100000 (0.146)          34902 (0.514)       65098 (0.105)     31134 (0.917)       68866 (0.106)
200000 (0.292)          45296 (0.667)       154704 (0.250)    32813 (0.966)       167187 (0.257)
500000 (0.729)          62977 (0.927)       437023 (0.708)   33771 (0.995)       466229 (0.715)
685592 (1.000)          67938 (1.000)       617654 (1.000)   33956 (1.000)       651636 (1.000)

==== Topic 206 ====
Documents returned      Relevant      Nonrelevant      Estimated Rel      Estimated Non
10 (0.000)             0 (0.000)           10 (0.000)         10 (0.001)          0 (0.000)
20 (0.000)             0 (0.000)           20 (0.000)         20 (0.001)          0 (0.000)
50 (0.000)             0 (0.000)           50 (0.000)         50 (0.003)          0 (0.000)
100 (0.000)            1 (0.001)           99 (0.000)         100 (0.005)         0 (0.000)
200 (0.000)            2 (0.002)           198 (0.000)        198 (0.010)         2 (0.000)
500 (0.001)            27 (0.031)          473 (0.001)        490 (0.025)         10 (0.000)
1000 (0.001)           128 (0.148)         872 (0.001)        956 (0.048)         44 (0.000)
2000 (0.003)           190 (0.220)         1810 (0.003)       1811 (0.091)         189 (0.000)
5000 (0.007)           288 (0.333)         4712 (0.007)       3730 (0.188)         1270 (0.002)
20000 (0.029)          428 (0.494)         19572 (0.029)     8011 (0.404)         11989 (0.018)
50000 (0.073)          677 (0.782)         49323 (0.072)     11438 (0.577)       38562 (0.058)
100000 (0.146)         680 (0.785)         99320 (0.145)     14210 (0.717)       85790 (0.129)
200000 (0.292)         674 (0.778)         199326 (0.291)    16885 (0.851)       183115 (0.275)
500000 (0.729)         877 (1.013)         499123 (0.729)    19577 (0.987)       480423 (0.722)
685592 (1.000)         866 (1.000)         684726 (1.000)    19832 (1.000)       665760 (1.000)

==== Topic 207 ====
Documents returned      Relevant      Nonrelevant      Estimated Rel      Estimated Non
10 (0.000)             8 (0.000)           2 (0.000)          10 (0.000)          0 (0.000)
20 (0.000)             17 (0.001)          3 (0.000)          20 (0.001)          0 (0.000)
50 (0.000)             46 (0.002)          4 (0.000)          50 (0.002)          0 (0.000)
100 (0.000)            88 (0.004)          12 (0.000)         100 (0.004)         0 (0.000)
200 (0.000)            176 (0.008)         24 (0.000)         200 (0.008)         0 (0.000)
500 (0.001)            445 (0.021)         55 (0.000)         500 (0.020)         0 (0.000)
1000 (0.001)           933 (0.045)         67 (0.000)         999 (0.040)         1 (0.000)
2000 (0.003)           1918 (0.092)        82 (0.000)         1998 (0.079)        2 (0.000)
5000 (0.007)           4917 (0.235)        83 (0.000)         4995 (0.198)        5 (0.000)
20000 (0.029)          18309 (0.875)       1691 (0.003)       19255 (0.763)        745 (0.001)
50000 (0.073)          19290 (0.922)       30710 (0.046)     22246 (0.881)       27754 (0.042)
100000 (0.146)         19454 (0.930)       80546 (0.121)     23352 (0.925)       76648 (0.116)
200000 (0.292)         19259 (0.920)       180741 (0.272)    24206 (0.959)       175794 (0.266)
500000 (0.729)         20790 (0.993)       479210 (0.721)   25053 (0.992)       474947 (0.719)
685592 (1.000)         20929 (1.000)       664663 (1.000)   25243 (1.000)       660349 (1.000)

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