

Topic: 200  
 Relevant Docs: 2544  
 Rel Estimate: 1796  
 Rel Accuracy: 70.6%  
 F1: 17.7%  
 F1 Estimate: 31.6%  
 F1 Accuracy: 56.2%  
 Best cutoff: 633  
 Cutoff Estimate: 700  
 Cutoff Accuracy: 90.4%  
 Hypothetical F1: 19.1%  
 ROC AUC : 73.8%

Topic: 201  
 Relevant Docs: 1886  
 Rel Estimate: 1478  
 Rel Accuracy: 78.4%  
 F1: 31.6%  
 F1 Estimate: 50.7%  
 F1 Accuracy: 62.3%  
 Best cutoff: 1376  
 Cutoff Estimate: 913  
 Cutoff Accuracy: 66.4%  
 Hypothetical F1: 34.5%  
 ROC AUC : 94.1%

Topic: 202  
 Relevant Docs: 6312  
 Rel Estimate: 4182  
 Rel Accuracy: 66.2%  
 F1: 64.9%  
 F1 Estimate: 79.8%  
 F1 Accuracy: 81.3%  
 Best cutoff: 4435  
 Cutoff Estimate: 3641  
 Cutoff Accuracy: 82.1%  
 Hypothetical F1: 70.6%  
 ROC AUC : 97.1%

Topic: 203  
 Relevant Docs: 3125  
 Rel Estimate: 1781  
 Rel Accuracy: 57.0%  
 F1: 30.4%  
 F1 Estimate: 51.6%  
 F1 Accuracy: 59.0%  
 Best cutoff: 1839  
 Cutoff Estimate: 1323  
 Cutoff Accuracy: 71.9%  
 Hypothetical F1: 39.4%  
 ROC AUC : 92.3%

Topic: 204  
 Relevant Docs: 6362  
 Rel Estimate: 2550  
 Rel Accuracy: 40.1%  
 F1: 20.0%  
 F1 Estimate: 52.7%  
 F1 Accuracy: 38.1%  
 Best cutoff: 5082  
 Cutoff Estimate: 1422  
 Cutoff Accuracy: 28.0%  
 Hypothetical F1: 26.6%  
 ROC AUC : 77.6%

Topic: 205  
 Relevant Docs: 67938  
 Rel Estimate: 22094  
 Rel Accuracy: 32.5%  
 F1: 38.6%  
 F1 Estimate: 76.3%  
 F1 Accuracy: 50.6%  
 Best cutoff: 27940

Cutoff Estimate: 20458  
 Cutoff Accuracy: 73.2%  
 Hypothetical F1: 45.9%  
 ROC AUC : 76.8%

Topic: 206  
 Relevant Docs: 866  
 Rel Estimate: 20279  
 Rel Accuracy: 4.3%  
 F1: 4.7%  
 F1 Estimate: 40.5%  
 F1 Accuracy: 11.5%  
 Best cutoff: 1234  
 Cutoff Estimate: 17736  
 Cutoff Accuracy: 7.0%  
 Hypothetical F1: 14.3%  
 ROC AUC : 84.8%

Topic: 207  
 Relevant Docs: 20929  
 Rel Estimate: 18702  
 Rel Accuracy: 89.4%  
 F1: 88.8%  
 F1 Estimate: 93.6%  
 F1 Accuracy: 94.9%  
 Best cutoff: 20541  
 Cutoff Estimate: 17785  
 Cutoff Accuracy: 86.6%  
 Hypothetical F1: 90.3%  
 ROC AUC : 96.6%

# Legal track learning task results

# XEROX

# xrceCalA

==== Topic 200 ====

Documents returned	Relevant	Nonrelevant	Estimated Rel	Estimated Non
10 (0.000)	6 (0.002)	4 (0.000)	10 (0.006)	0 (0.000)
20 (0.000)	16 (0.006)	4 (0.000)	20 (0.011)	0 (0.000)
50 (0.000)	38 (0.015)	12 (0.000)	48 (0.026)	2 (0.000)
100 (0.000)	77 (0.030)	23 (0.000)	92 (0.051)	8 (0.000)
200 (0.000)	150 (0.059)	50 (0.000)	172 (0.096)	28 (0.000)
500 (0.001)	248 (0.098)	252 (0.000)	346 (0.193)	154 (0.000)
1000 (0.001)	293 (0.115)	707 (0.001)	435 (0.242)	565 (0.001)
2000 (0.003)	338 (0.133)	1662 (0.002)	510 (0.284)	1490 (0.002)
5000 (0.007)	364 (0.143)	4636 (0.007)	600 (0.334)	4400 (0.006)
20000 (0.029)	414 (0.163)	19586 (0.029)	778 (0.434)	19222 (0.028)
50000 (0.073)	710 (0.279)	49290 (0.072)	963 (0.536)	49037 (0.072)
100000 (0.146)	858 (0.337)	99142 (0.145)	1126 (0.627)	98874 (0.145)
200000 (0.292)	1981 (0.779)	198019 (0.290)	1308 (0.729)	198692 (0.291)
500000 (0.729)	2355 (0.926)	497645 (0.729)	1610 (0.897)	498390 (0.729)
685592 (1.000)	2544 (1.000)	683048 (1.000)	1796 (1.000)	683796 (1.000)

==== Topic 201 ====

Documents returned	Relevant	Nonrelevant	Estimated Rel	Estimated Non
10 (0.000)	10 (0.005)	0 (0.000)	10 (0.007)	0 (0.000)
20 (0.000)	18 (0.010)	2 (0.000)	20 (0.014)	0 (0.000)
50 (0.000)	43 (0.023)	7 (0.000)	50 (0.034)	0 (0.000)
100 (0.000)	79 (0.042)	21 (0.000)	100 (0.067)	0 (0.000)
200 (0.000)	134 (0.071)	66 (0.000)	196 (0.132)	4 (0.000)
500 (0.001)	267 (0.142)	233 (0.000)	432 (0.292)	68 (0.000)
1000 (0.001)	455 (0.241)	545 (0.001)	626 (0.423)	374 (0.001)
2000 (0.003)	659 (0.349)	1341 (0.002)	712 (0.482)	1288 (0.002)
5000 (0.007)	840 (0.445)	4160 (0.006)	754 (0.510)	4246 (0.006)
20000 (0.029)	890 (0.472)	19110 (0.028)	800 (0.541)	19200 (0.028)
50000 (0.073)	1225 (0.650)	48775 (0.071)	842 (0.570)	49158 (0.072)
100000 (0.146)	1782 (0.945)	98218 (0.144)	892 (0.604)	99108 (0.145)
200000 (0.292)	1831 (0.971)	198169 (0.290)	992 (0.671)	199008 (0.291)
500000 (0.729)	1876 (0.994)	498124 (0.729)	1292 (0.874)	498708 (0.729)
685592 (1.000)	1886 (1.000)	683706 (1.000)	1478 (1.000)	684114 (1.000)

==== Topic 202 ====

Documents returned	Relevant	Nonrelevant	Estimated Rel	Estimated Non
10 (0.000)	10 (0.002)	0 (0.000)	10 (0.002)	0 (0.000)
20 (0.000)	20 (0.003)	0 (0.000)	20 (0.005)	0 (0.000)
50 (0.000)	50 (0.008)	0 (0.000)	50 (0.012)	0 (0.000)
100 (0.000)	97 (0.015)	3 (0.000)	100 (0.024)	0 (0.000)
200 (0.000)	197 (0.031)	3 (0.000)	200 (0.048)	0 (0.000)
500 (0.001)	486 (0.077)	14 (0.000)	500 (0.119)	0 (0.000)
1000 (0.001)	946 (0.150)	54 (0.000)	998 (0.239)	2 (0.000)
2000 (0.003)	1708 (0.271)	292 (0.000)	1970 (0.471)	30 (0.000)
5000 (0.007)	3881 (0.615)	1119 (0.002)	3391 (0.811)	1609 (0.002)
20000 (0.029)	5223 (0.827)	14777 (0.022)	3512 (0.840)	16488 (0.024)
50000 (0.073)	5566 (0.882)	44434 (0.065)	3546 (0.848)	46454 (0.068)
100000 (0.146)	5743 (0.910)	94257 (0.139)	3596 (0.860)	96404 (0.141)
200000 (0.292)	6175 (0.978)	193825 (0.285)	3696 (0.884)	196304 (0.288)
500000 (0.729)	6312 (1.000)	493688 (0.727)	3996 (0.956)	496004 (0.728)
685592 (1.000)	6312 (1.000)	679280 (1.000)	4182 (1.000)	681410 (1.000)

==== Topic 203 ====

Documents returned	Relevant	Nonrelevant	Estimated Rel	Estimated Non
10 (0.000)	8 (0.003)	2 (0.000)	10 (0.006)	0 (0.000)
20 (0.000)	18 (0.006)	2 (0.000)	20 (0.011)	0 (0.000)
50 (0.000)	48 (0.015)	2 (0.000)	50 (0.028)	0 (0.000)
100 (0.000)	90 (0.029)	10 (0.000)	99 (0.056)	1 (0.000)
200 (0.000)	151 (0.048)	49 (0.000)	190 (0.107)	10 (0.000)
500 (0.001)	296 (0.095)	204 (0.000)	421 (0.236)	79 (0.000)
1000 (0.001)	582 (0.186)	418 (0.001)	696 (0.391)	304 (0.000)
2000 (0.003)	915 (0.293)	1085 (0.002)	905 (0.508)	1095 (0.002)
5000 (0.007)	1318 (0.422)	3682 (0.005)	996 (0.559)	4004 (0.006)
20000 (0.029)	1892 (0.605)	18108 (0.027)	1074 (0.603)	18926 (0.028)
50000 (0.073)	2291 (0.733)	47709 (0.070)	1144 (0.642)	48856 (0.071)
100000 (0.146)	2578 (0.825)	97422 (0.143)	1195 (0.671)	98805 (0.144)
200000 (0.292)	2854 (0.913)	197146 (0.289)	1295 (0.727)	198705 (0.291)
500000 (0.729)	3093 (0.990)	496907 (0.728)	1595 (0.896)	498405 (0.729)
685592 (1.000)	3125 (1.000)	682467 (1.000)	1781 (1.000)	683811 (1.000)

==== Topic 204 ====

Documents returned	Relevant	Nonrelevant	Estimated Rel	Estimated Non
10 (0.000)	10 (0.002)	0 (0.000)	10 (0.004)	0 (0.000)
20 (0.000)	19 (0.003)	1 (0.000)	20 (0.008)	0 (0.000)
50 (0.000)	48 (0.008)	2 (0.000)	50 (0.020)	0 (0.000)

100 (0.000)	85 (0.013)	15 (0.000)	100 (0.039)	0 (0.000)
200 (0.000)	151 (0.024)	49 (0.000)	200 (0.078)	0 (0.000)
500 (0.001)	410 (0.064)	90 (0.000)	495 (0.194)	5 (0.000)
1000 (0.001)	728 (0.114)	272 (0.000)	879 (0.345)	121 (0.000)
2000 (0.003)	819 (0.129)	1181 (0.002)	1151 (0.451)	849 (0.001)
5000 (0.007)	1501 (0.236)	3499 (0.005)	1340 (0.526)	3660 (0.005)
20000 (0.029)	1894 (0.298)	18106 (0.027)	1581 (0.620)	18419 (0.027)
50000 (0.073)	2814 (0.442)	47186 (0.069)	1759 (0.690)	48241 (0.071)
100000 (0.146)	4445 (0.699)	95555 (0.141)	1918 (0.752)	98082 (0.144)
200000 (0.292)	4693 (0.738)	195307 (0.288)	2064 (0.810)	197936 (0.290)
500000 (0.729)	5193 (0.816)	494807 (0.728)	2364 (0.927)	497636 (0.729)
685592 (1.000)	6362 (1.000)	679230 (1.000)	2550 (1.000)	683042 (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 (0.002)	0 (0.000)
100 (0.000)	86 (0.001)	14 (0.000)	100 (0.005)	0 (0.000)
200 (0.000)	185 (0.003)	15 (0.000)	200 (0.009)	0 (0.000)
500 (0.001)	456 (0.007)	44 (0.000)	500 (0.023)	0 (0.000)
1000 (0.001)	916 (0.013)	84 (0.000)	999 (0.045)	1 (0.000)
2000 (0.003)	1860 (0.027)	140 (0.000)	1998 (0.090)	2 (0.000)
5000 (0.007)	4607 (0.068)	393 (0.001)	4970 (0.225)	30 (0.000)
20000 (0.029)	16801 (0.247)	3199 (0.005)	16045 (0.726)	3955 (0.006)
50000 (0.073)	26700 (0.393)	23300 (0.038)	20137 (0.911)	29863 (0.045)
100000 (0.146)	34902 (0.514)	65098 (0.105)	21055 (0.953)	78945 (0.119)
200000 (0.292)	45296 (0.667)	154704 (0.250)	21548 (0.975)	178452 (0.269)
500000 (0.729)	62977 (0.927)	437023 (0.708)	21909 (0.992)	478091 (0.721)
685592 (1.000)	67938 (1.000)	617654 (1.000)	22094 (1.000)	663498 (1.000)

==== Topic 206 ====

Documents returned	Relevant	Nonrelevant	Estimated Rel	Estimated Non
10 (0.000)	0 (0.000)	10 (0.000)	10 (0.000)	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 (0.002)	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 (0.024)	10 (0.000)
1000 (0.001)	128 (0.148)	872 (0.001)	958 (0.047)	42 (0.000)
2000 (0.003)	190 (0.220)	1810 (0.003)	1816 (0.090)	184 (0.000)
5000 (0.007)	288 (0.333)	4712 (0.007)	3755 (0.185)	1245 (0.002)
20000 (0.029)	428 (0.494)	19572 (0.029)	8124 (0.401)	11876 (0.018)
50000 (0.073)	677 (0.782)	49323 (0.072)	11643 (0.574)	38357 (0.058)
100000 (0.146)	680 (0.785)	99320 (0.145)	14494 (0.715)	85506 (0.129)
200000 (0.292)	674 (0.778)	199326 (0.291)	17247 (0.851)	182753 (0.275)
500000 (0.729)	877 (1.013)	499123 (0.729)	20019 (0.987)	479981 (0.721)
685592 (1.000)	866 (1.000)	684726 (1.000)	20279 (1.000)	665313 (1.000)

==== Topic 207 ====

Documents returned	Relevant	Nonrelevant	Estimated Rel	Estimated Non
10 (0.000)	8 (0.000)	2 (0.000)	10 (0.001)	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 (0.003)	0 (0.000)
100 (0.000)	88 (0.004)	12 (0.000)	100 (0.005)	0 (0.000)
200 (0.000)	176 (0.008)	24 (0.000)	200 (0.011)	0 (0.000)
500 (0.001)	445 (0.021)	55 (0.000)	500 (0.027)	0 (0.000)
1000 (0.001)	933 (0.045)	67 (0.000)	999 (0.053)	1 (0.000)
2000 (0.003)	1918 (0.092)	82 (0.000)	1998 (0.107)	2 (0.000)
5000 (0.007)	4917 (0.235)	83 (0.000)	4995 (0.267)	5 (0.000)
20000 (0.029)	18309 (0.875)	1691 (0.003)	17601 (0.941)	2399 (0.004)
50000 (0.073)	19290 (0.922)	30710 (0.046)	17992 (0.962)	32008 (0.048)
100000 (0.146)	19454 (0.930)	80546 (0.121)	18110 (0.968)	81890 (0.123)
200000 (0.292)	19259 (0.920)	180741 (0.272)	18216 (0.974)	181784 (0.273)
500000 (0.729)	20790 (0.993)	479210 (0.721)	18516 (0.990)	481484 (0.722)
685592 (1.000)	20929 (1.000)	664663 (1.000)	18702 (1.000)	666890 (1.000)