

# Legal Track results — University of Waterloo

Description	
Run ID:	UWALINAF
Run type :	automatic
Sources used:	deduped text
Estimate of the number of person-hours spent...	
configuring/loading:	40
searching:	0
reviewing:	0
analyzing:	8

## Topic: 401

Relevant Docs: 20017  
 Rel Estimate: 294403  
 Rel Accuracy: 6.8%  
 F1: 8.6%  
 F1 Estimate: 72.3%  
 F1 Accuracy: 11.8%  
 Best cutoff: 83602  
 Cutoff Estimate: 416484  
 Cutoff Accuracy: 20.1%  
 Hypothetical F1: 16.2%  
 ROC AUC: 75.9%

## Topic: 402

Relevant Docs: 3012  
 Rel Estimate: 139474  
 Rel Accuracy: 2.2%  
 F1: 2.9%  
 F1 Estimate: 65.4%  
 F1 Accuracy: 4.5%  
 Best cutoff: 14908  
 Cutoff Estimate: 144055  
 Cutoff Accuracy: 10.3%  
 Hypothetical F1: 7.2%  
 ROC AUC: 81.9%

## Topic: 403

Relevant Docs: 1239  
 Rel Estimate: 97787  
 Rel Accuracy: 1.3%  
 F1: 0.9%  
 F1 Estimate: 46.4%  
 F1 Accuracy: 2.0%  
 Best cutoff: 21385  
 Cutoff Estimate: 135501  
 Cutoff Accuracy: 15.8%  
 Hypothetical F1: 3.5%  
 ROC AUC: 78.4%

## ==== Topic 401 ====

Documents returned	Relevant	Nonrelevant	Estimated Rel	Estimated Non
10 (0.000)	10 (0.000)	0 (0.000)	10 (0.000)	0 (0.000)
20 (0.000)	20 (0.001)	0 (0.000)	20 (0.000)	0 (0.000)
50 (0.000)	48 (0.002)	2 (0.000)	50 (0.000)	0 (0.000)
100 (0.000)	93 (0.005)	7 (0.000)	100 (0.000)	0 (0.000)
200 (0.000)	127 (0.006)	12 (0.000)	199 (0.001)	1 (0.000)
500 (0.001)	167 (0.008)	44 (0.000)	495 (0.002)	5 (0.000)
1000 (0.001)	204 (0.010)	54 (0.000)	988 (0.003)	12 (0.000)
2000 (0.003)	245 (0.012)	1755 (0.003)	1970 (0.007)	30 (0.000)
5000 (0.007)	1024 (0.052)	3976 (0.006)	4898 (0.017)	102 (0.000)
20000 (0.029)	2042 (0.102)	17958 (0.027)	19251 (0.065)	749 (0.002)
50000 (0.073)	4275 (0.213)	45725 (0.069)	46753 (0.159)	3247 (0.008)
100000 (0.146)	8391 (0.417)	91609 (0.138)	88526 (0.301)	11474 (0.029)
200000 (0.292)	13179 (0.668)	186821 (0.281)	155240 (0.527)	44760 (0.114)
500000 (0.729)	19654 (0.975)	480346 (0.722)	281595 (0.956)	218405 (0.558)
685592 (1.000)	20017 (1.000)	665575 (1.000)	294403 (1.000)	391189 (1.000)

## ==== Topic 402 ====

Documents returned	Relevant	Nonrelevant	Estimated Rel	Estimated Non
10 (0.000)	2 (0.001)	8 (0.000)	10 (0.000)	0 (0.000)
20 (0.000)	4 (0.001)	16 (0.000)	20 (0.000)	0 (0.000)
50 (0.000)	7 (0.002)	43 (0.000)	49 (0.000)	1 (0.000)
100 (0.000)	16 (0.005)	84 (0.000)	99 (0.001)	1 (0.000)
200 (0.000)	25 (0.008)	85 (0.000)	197 (0.001)	3 (0.000)
500 (0.001)	49 (0.016)	92 (0.000)	490 (0.004)	10 (0.000)
1000 (0.001)	80 (0.027)	920 (0.001)	974 (0.007)	26 (0.000)
2000 (0.003)	114 (0.038)	1886 (0.003)	1935 (0.014)	65 (0.000)
5000 (0.007)	182 (0.060)	4818 (0.007)	4772 (0.034)	228 (0.000)
20000 (0.029)	707 (0.236)	19293 (0.028)	18414 (0.132)	1586 (0.003)
50000 (0.073)	899 (0.298)	49101 (0.072)	43298 (0.310)	6702 (0.012)
100000 (0.146)	1375 (0.458)	98625 (0.144)	74311 (0.533)	25689 (0.047)
200000 (0.292)	2587 (0.853)	197413 (0.289)	107728 (0.772)	92272 (0.169)
500000 (0.729)	3040 (1.000)	496960 (0.728)	138812 (0.995)	361188 (0.661)
685592 (1.000)	3012 (1.000)	682580 (1.000)	139474 (1.000)	546118 (1.000)

## ==== Topic 403 ====

Documents returned	Relevant	Nonrelevant	Estimated Rel	Estimated Non
10 (0.000)	3 (0.002)	7 (0.000)	10 (0.000)	0 (0.000)
20 (0.000)	3 (0.002)	17 (0.000)	20 (0.000)	0 (0.000)
50 (0.000)	3 (0.002)	47 (0.000)	50 (0.001)	0 (0.000)
100 (0.000)	3 (0.002)	97 (0.000)	99 (0.001)	1 (0.000)
200 (0.000)	5 (0.004)	195 (0.000)	197 (0.002)	3 (0.000)
500 (0.001)	5 (0.004)	495 (0.001)	488 (0.005)	12 (0.000)
1000 (0.001)	8 (0.006)	992 (0.001)	961 (0.010)	39 (0.000)
2000 (0.003)	14 (0.011)	1986 (0.003)	1877 (0.019)	123 (0.000)
5000 (0.007)	21 (0.017)	4979 (0.007)	4448 (0.045)	552 (0.001)
20000 (0.029)	63 (0.051)	19937 (0.029)	14076 (0.144)	5924 (0.010)
50000 (0.073)	466 (0.376)	49534 (0.072)	27542 (0.282)	22458 (0.038)
100000 (0.146)	573 (0.465)	99427 (0.145)	44896 (0.459)	55104 (0.094)
200000 (0.292)	680 (0.554)	199320 (0.291)	66932 (0.684)	133068 (0.226)
500000 (0.729)	1231 (0.994)	498769 (0.729)	95267 (0.974)	404733 (0.689)
685593 (1.000)	1239 (1.000)	684354 (1.000)	97787 (1.000)	587806 (1.000)