

Chemical Track results, Prior art task, small topic set — Fraunhofer Institute for Algorithms and Scientific Computing

Summary Statistics	
Run ID:	SCAI10CIENTP
Topic fields used	title, narrative
Document fields used	title, abstract, description, claims
Number of Topics:	100
Total number of documents over all topics	
Retrieved:	99332
Relevant and contains an opinion:	3008
Relevant opinion documents retrieved:	2313

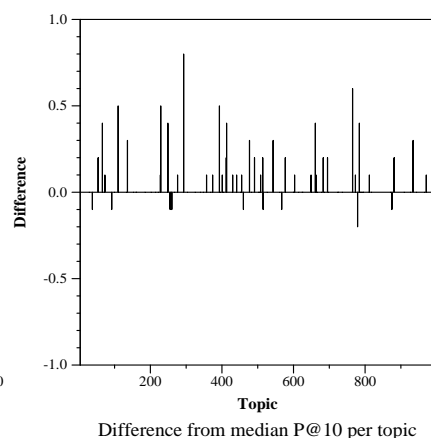
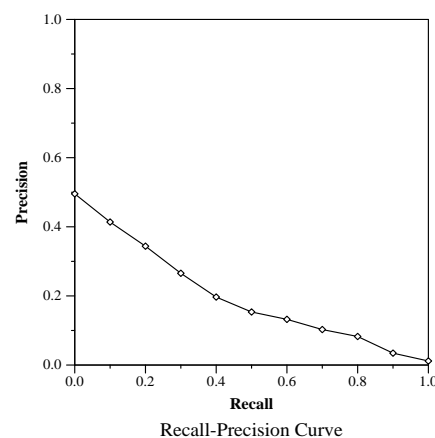
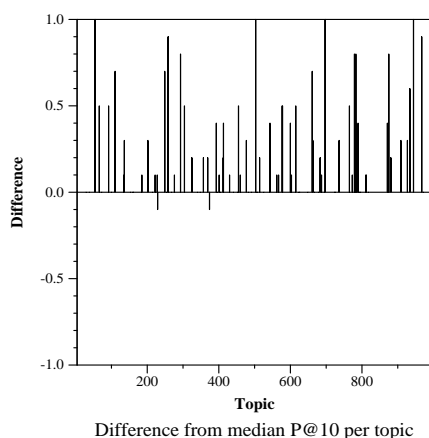
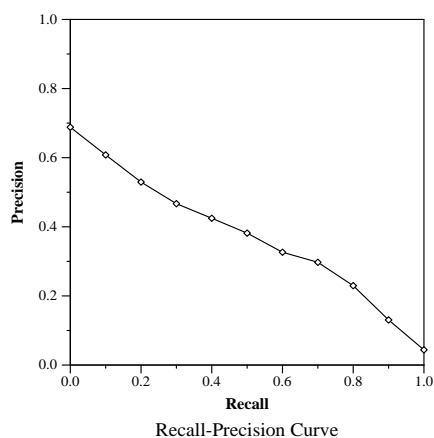
Recall Level Averages	
Recall	Precision
0.00	0.6881
0.10	0.6080
0.20	0.5295
0.30	0.4669
0.40	0.4247
0.50	0.3817
0.60	0.3264
0.70	0.2973
0.80	0.2296
0.90	0.1305
1.00	0.0439
Mean average precision	
non-interpolated	0.3612

Document Level Averages	
	Precision
At 5 docs	0.5080
At 10 docs	0.4510
At 15 docs	0.4173
At 20 docs	0.3970
At 30 docs	0.3617
At 100 docs	0.1881
At 200 docs	0.1017
At 500 docs	0.0440
At 1000 docs	0.0231
R-Precision: precision after R (number relevant) documents retrieved	
Exact	0.3828

Summary Statistics	
Run ID:	SCAI10CITENT
Topic fields used	title, narrative
Document fields used	title, abstract, description, claims
Number of Topics:	100
Total number of documents over all topics	
Retrieved:	93580
Relevant and contains an opinion:	3008
Relevant opinion documents retrieved:	1565

Recall Level Averages	
Recall	Precision
0.00	0.4954
0.10	0.4138
0.20	0.3439
0.30	0.2655
0.40	0.1967
0.50	0.1535
0.60	0.1322
0.70	0.1027
0.80	0.0826
0.90	0.0344
1.00	0.0117
Mean average precision	
non-interpolated	0.1878

Document Level Averages	
	Precision
At 5 docs	0.3300
At 10 docs	0.2970
At 15 docs	0.2633
At 20 docs	0.2440
At 30 docs	0.2137
At 100 docs	0.1054
At 200 docs	0.0593
At 500 docs	0.0283
At 1000 docs	0.0156
R-Precision: precision after R (number relevant) documents retrieved	
Exact	0.2207



Chemical Track results, Prior art task, small topic set — Fraunhofer Institute for Algorithms and Scientific Computing

Summary Statistics	
Run ID:	SCAI10CITNP
Topic fields used	title, narrative
Document fields used	title, abstract, description, claims
Number of Topics:	100
Total number of documents over all topics	
Retrieved:	91601
Relevant and contains an opinion:	3008
Relevant opinion documents retrieved:	1484

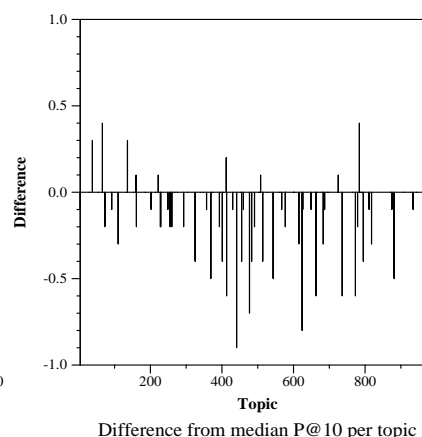
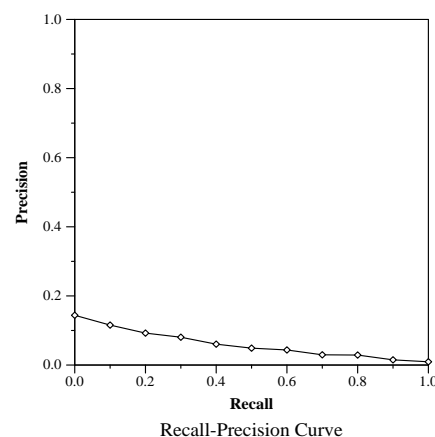
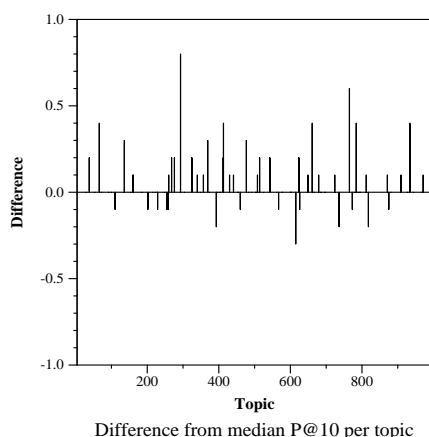
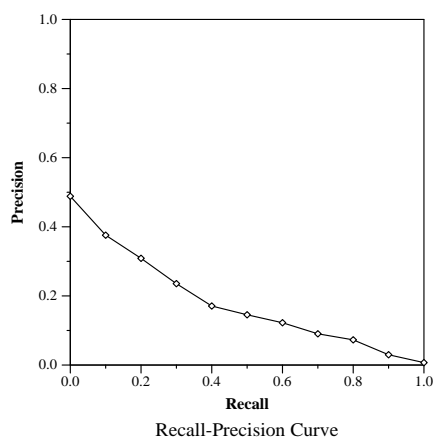
Recall Level Averages	
Recall	Precision
0.00	0.4883
0.10	0.3757
0.20	0.3088
0.30	0.2355
0.40	0.1708
0.50	0.1454
0.60	0.1224
0.70	0.0904
0.80	0.0729
0.90	0.0298
1.00	0.0070
Mean average precision	
non-interpolated	0.1685

Document Level Averages	
	Precision
At 5 docs	0.2940
At 10 docs	0.2620
At 15 docs	0.2353
At 20 docs	0.2215
At 30 docs	0.1960
At 100 docs	0.1009
At 200 docs	0.0577
At 500 docs	0.0266
At 1000 docs	0.0148
R-Precision: precision after R (number relevant) documents retrieved	
Exact	0.1964

Summary Statistics	
Run ID:	SCAI10CITTOK
Topic fields used	title, narrative
Document fields used	title, abstract, description, claims
Number of Topics:	100
Total number of documents over all topics	
Retrieved:	95057
Relevant and contains an opinion:	3008
Relevant opinion documents retrieved:	663

Recall Level Averages	
Recall	Precision
0.00	0.1440
0.10	0.1156
0.20	0.0924
0.30	0.0805
0.40	0.0604
0.50	0.0489
0.60	0.0436
0.70	0.0296
0.80	0.0289
0.90	0.0150
1.00	0.0094
Mean average precision	
non-interpolated	0.0554

Document Level Averages	
	Precision
At 5 docs	0.0840
At 10 docs	0.0820
At 15 docs	0.0800
At 20 docs	0.0745
At 30 docs	0.0633
At 100 docs	0.0332
At 200 docs	0.0218
At 500 docs	0.0119
At 1000 docs	0.0066
R-Precision: precision after R (number relevant) documents retrieved	
Exact	0.0647



Chemical Track results, Prior art task, small topic set — Fraunhofer Institute for Algorithms and Scientific Computing

Summary Statistics	
Run ID:	SCAI10NRMENT
Topic fields used	title, narrative
Document fields used	title, abstract, description, claims
Number of Topics:	100
Total number of documents over all topics	
Retrieved:	69015
Relevant and contains an opinion:	3008
Relevant opinion documents retrieved:	1069

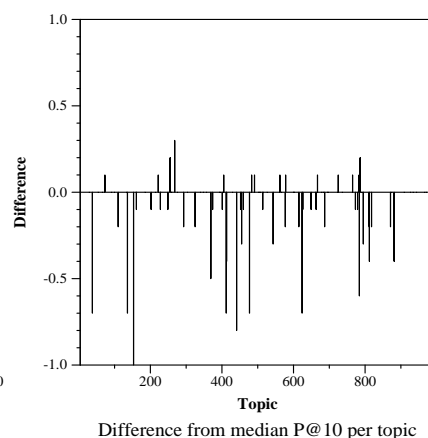
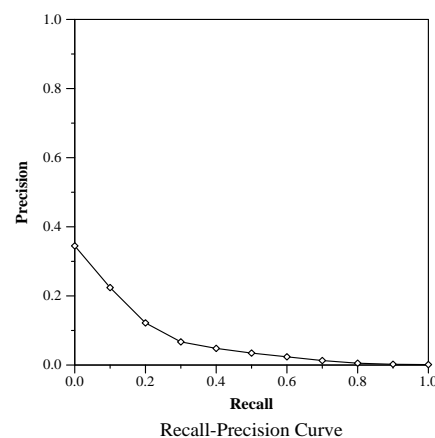
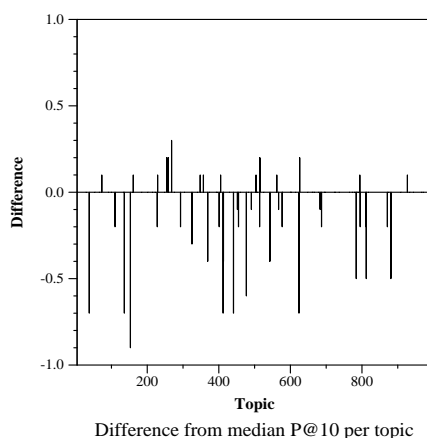
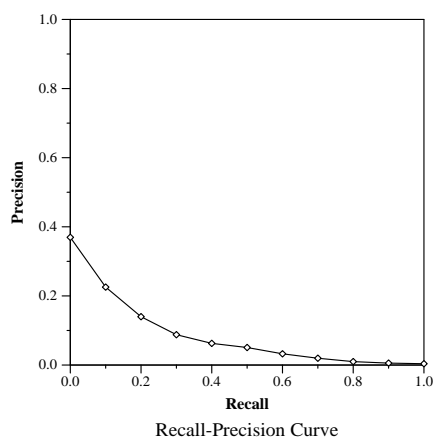
Recall Level Averages	
Recall	Precision
0.00	0.3695
0.10	0.2255
0.20	0.1399
0.30	0.0878
0.40	0.0627
0.50	0.0507
0.60	0.0325
0.70	0.0197
0.80	0.0099
0.90	0.0056
1.00	0.0038
Mean average precision	
non-interpolated	0.0750

Document Level Averages	
	Precision
At 5 docs	0.1400
At 10 docs	0.1250
At 15 docs	0.1160
At 20 docs	0.1065
At 30 docs	0.0943
At 100 docs	0.0573
At 200 docs	0.0370
At 500 docs	0.0193
At 1000 docs	0.0107
R-Precision: precision after R (number relevant) documents retrieved	
Exact	0.1036

Summary Statistics	
Run ID:	SCAI10NRMNP
Topic fields used	title, narrative
Document fields used	title, abstract, description, claims
Number of Topics:	100
Total number of documents over all topics	
Retrieved:	67770
Relevant and contains an opinion:	3008
Relevant opinion documents retrieved:	958

Recall Level Averages	
Recall	Precision
0.00	0.3448
0.10	0.2241
0.20	0.1219
0.30	0.0670
0.40	0.0482
0.50	0.0346
0.60	0.0238
0.70	0.0130
0.80	0.0053
0.90	0.0022
1.00	0.0013
Mean average precision	
non-interpolated	0.0648

Document Level Averages	
	Precision
At 5 docs	0.1400
At 10 docs	0.1100
At 15 docs	0.1013
At 20 docs	0.0900
At 30 docs	0.0797
At 100 docs	0.0490
At 200 docs	0.0325
At 500 docs	0.0171
At 1000 docs	0.0096
R-Precision: precision after R (number relevant) documents retrieved	
Exact	0.0869



Summary Statistics	
Run ID:	SCA110NRMTOK
Topic fields used	title, narrative
Document fields used	title, abstract, description, claims
Number of Topics:	100
Total number of documents over all topics	
Retrieved:	71412
Relevant and contains an opinion:	3008
Relevant opinion documents retrieved:	350

Recall Level Averages	
Recall	Precision
0.00	0.0798
0.10	0.0657
0.20	0.0248
0.30	0.0141
0.40	0.0100
0.50	0.0069
0.60	0.0046
0.70	0.0023
0.80	0.0014
0.90	0.0000
1.00	0.0000
Mean average precision	
non-interpolated	0.0150

Document Level Averages	
	Precision
At 5 docs	0.0280
At 10 docs	0.0200
At 15 docs	0.0187
At 20 docs	0.0190
At 30 docs	0.0197
At 100 docs	0.0143
At 200 docs	0.0106
At 500 docs	0.0059
At 1000 docs	0.0035
R-Precision: precision after R (number relevant) documents retrieved	
Exact	0.0249

