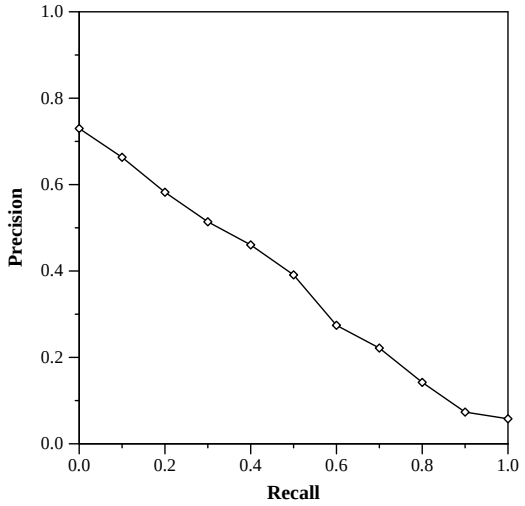
NLP track results — GE Research and Development Center (GE/Rutgers/Lockheed Martin/SICS)

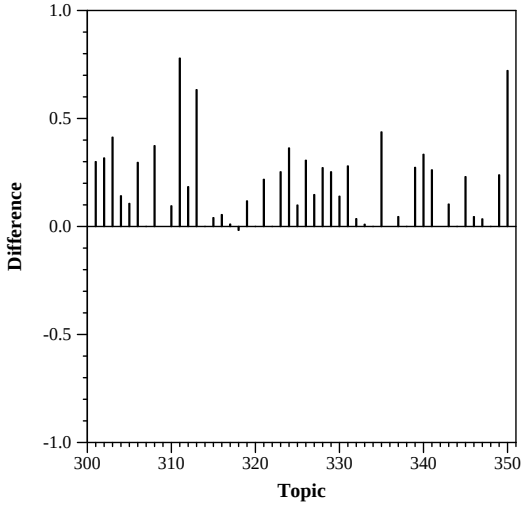
Summary Statistics	
Run Number	genlp1
Run Description	manual
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	1591
Rel-ret:	1254

Recall Level Precision Averages	
Recall	Precision
0.00	0.7299
0.10	0.6632
0.20	0.5823
0.30	0.5139
0.40	0.4604
0.50	0.3910
0.60	0.2743
0.70	0.2216
0.80	0.1422
0.90	0.0734
1.00	0.0579
Average precision over all relevant docs	
non-interpolated	0.3555

Document Level Averages	
	Precision
At 5 docs	0.4553
At 10 docs	0.3809
At 15 docs	0.3447
At 20 docs	0.3170
At 30 docs	0.2716
At 100 docs	0.1615
At 200 docs	0.0999
At 500 docs	0.0477
At 1000 docs	0.0267
R-Precision (precision after R docs retrieved (where R is the number of relevant documents))	
Exact	0.3332



Recall-Precision Curve



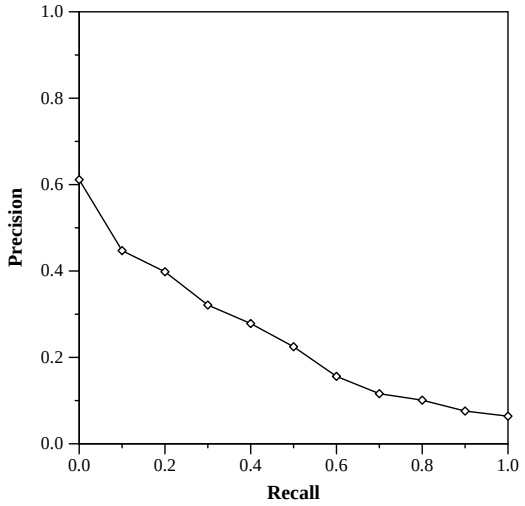
Difference from Median in Average Precision per Topic

NLP track results — GE Research and Development Center (GE/Rutgers/Lockheed Martin/SICS)

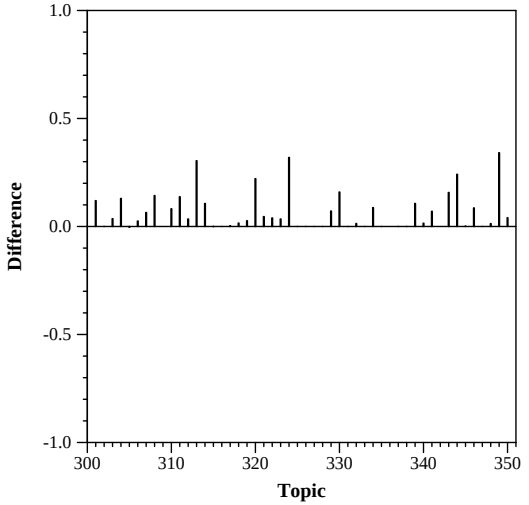
Summary Statistics	
Run Number	genlp2
Run Description	automatic
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	1591
Rel-ret:	1056

Recall Level Precision Averages	
Recall	Precision
0.00	0.6114
0.10	0.4472
0.20	0.3982
0.30	0.3212
0.40	0.2784
0.50	0.2247
0.60	0.1561
0.70	0.1160
0.80	0.1010
0.90	0.0758
1.00	0.0639
Average precision over all relevant docs	
non-interpolated	0.2352

Document Level Averages	
	Precision
At 5 docs	0.3319
At 10 docs	0.2915
At 15 docs	0.2411
At 20 docs	0.2245
At 30 docs	0.1858
At 100 docs	0.1094
At 200 docs	0.0731
At 500 docs	0.0387
At 1000 docs	0.0225
R-Precision (precision after R docs retrieved (where R is the number of relevant documents))	
Exact	0.2588



Recall-Precision Curve



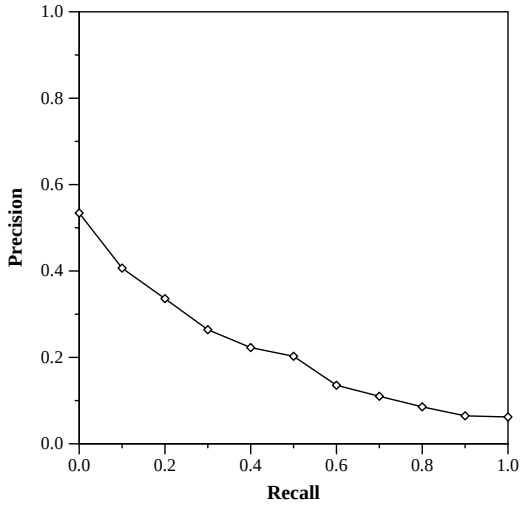
Difference from Median in Average Precision per Topic

NLP track results — GE Research and Development Center (GE/Rutgers/Lockheed Martin/SICS)

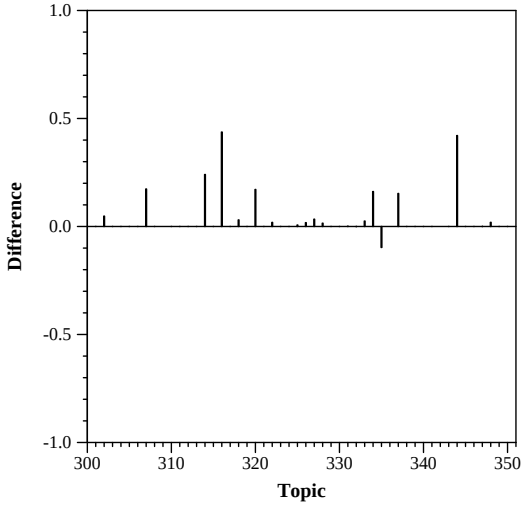
Summary Statistics	
Run Number	genlp3
Run Description	automatic
Number of Topics	47
Total number of documents over all topics	
Retrieved:	46014
Relevant:	1591
Rel-ret:	835

Recall Level Precision Averages	
Recall	Precision
0.00	0.5342
0.10	0.4067
0.20	0.3360
0.30	0.2641
0.40	0.2227
0.50	0.2026
0.60	0.1355
0.70	0.1100
0.80	0.0856
0.90	0.0647
1.00	0.0621
Average precision over all relevant docs	
non-interpolated	0.2051

Document Level Averages	
	Precision
At 5 docs	0.2681
At 10 docs	0.2383
At 15 docs	0.2156
At 20 docs	0.1904
At 30 docs	0.1567
At 100 docs	0.0885
At 200 docs	0.0581
At 500 docs	0.0291
At 1000 docs	0.0178
R-Precision (precision after R docs retrieved (where R is the number of relevant documents))	
Exact	0.2239



Recall-Precision Curve

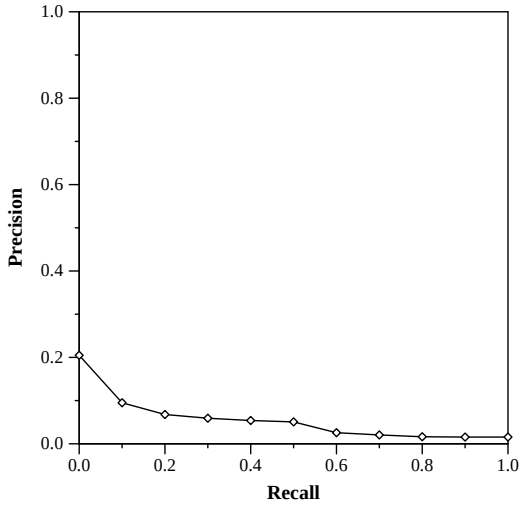


Difference from Median in Average Precision per Topic

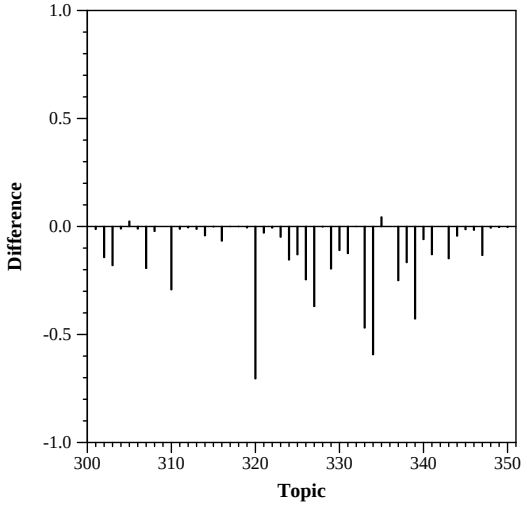
Summary Statistics	
Run Number	Gla6DS1
Run Description	automatic
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	1591
Rel-ret:	515

Recall Level Precision Averages	
Recall	Precision
0.00	0.2049
0.10	0.0950
0.20	0.0678
0.30	0.0592
0.40	0.0539
0.50	0.0507
0.60	0.0257
0.70	0.0205
0.80	0.0163
0.90	0.0156
1.00	0.0156
Average precision over all relevant docs	
non-interpolated	0.0473

Document Level Averages	
	Precision
At 5 docs	0.0894
At 10 docs	0.0638
At 15 docs	0.0539
At 20 docs	0.0553
At 30 docs	0.0504
At 100 docs	0.0330
At 200 docs	0.0240
At 500 docs	0.0147
At 1000 docs	0.0110
R-Precision (precision after R docs retrieved (where R is the number of relevant documents))	
Exact	0.0530



Recall-Precision Curve

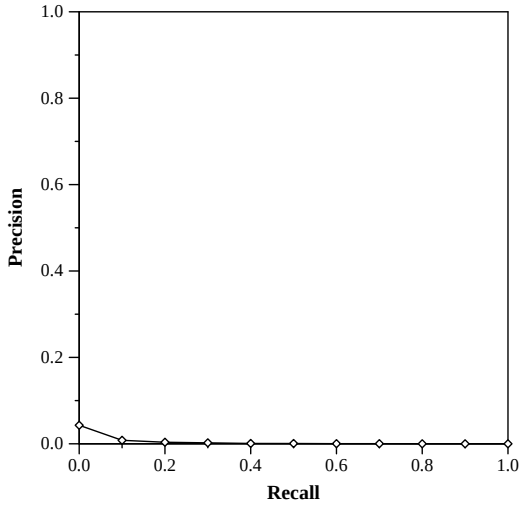


Difference from Median in Average Precision per Topic

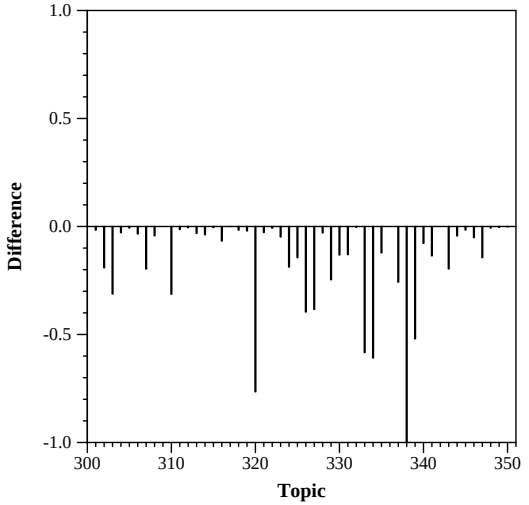
Summary Statistics	
Run Number	Gla6DS2
Run Description	automatic
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	1591
Rel-ret:	148

Recall Level Precision Averages	
Recall	Precision
0.00	0.0429
0.10	0.0081
0.20	0.0036
0.30	0.0022
0.40	0.0008
0.50	0.0007
0.60	0.0003
0.70	0.0003
0.80	0.0000
0.90	0.0000
1.00	0.0000
Average precision over all relevant docs	
non-interpolated	0.0032

Document Level Averages	
	Precision
At 5 docs	0.0255
At 10 docs	0.0191
At 15 docs	0.0142
At 20 docs	0.0149
At 30 docs	0.0128
At 100 docs	0.0077
At 200 docs	0.0060
At 500 docs	0.0040
At 1000 docs	0.0031
R-Precision (precision after R docs retrieved (where R is the number of relevant documents))	
Exact	0.0075



Recall-Precision Curve

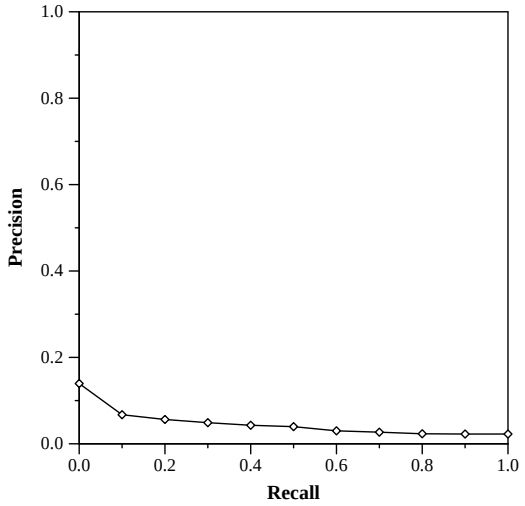


Difference from Median in Average Precision per Topic

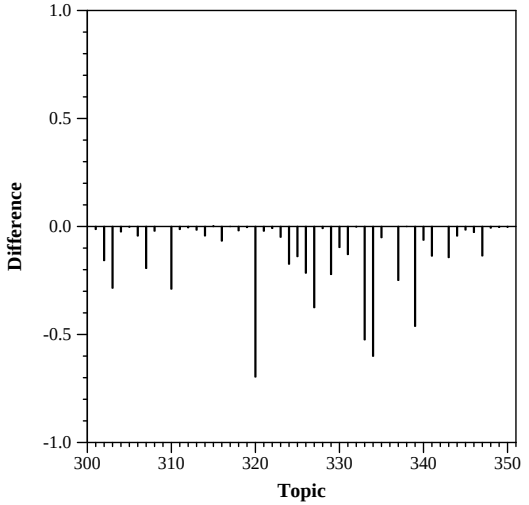
Summary Statistics	
Run Number	Gla6DS3
Run Description	automatic
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	1591
Rel-ret:	449

Recall Level Precision Averages	
Recall	Precision
0.00	0.1395
0.10	0.0673
0.20	0.0563
0.30	0.0489
0.40	0.0429
0.50	0.0397
0.60	0.0300
0.70	0.0269
0.80	0.0232
0.90	0.0226
1.00	0.0226
Average precision over all relevant docs	
non-interpolated	0.0416

Document Level Averages	
	Precision
At 5 docs	0.0553
At 10 docs	0.0553
At 15 docs	0.0482
At 20 docs	0.0468
At 30 docs	0.0418
At 100 docs	0.0270
At 200 docs	0.0199
At 500 docs	0.0133
At 1000 docs	0.0096
R-Precision (precision after R docs retrieved (where R is the number of relevant documents))	
Exact	0.0512



Recall-Precision Curve



Difference from Median in Average Precision per Topic