

# TREC 2012 Crowdsourcing Track, Text Relevance Assessing Task (TRAT) results

Group: (UIowaS) The University of Iowa

Run ID: UIowaS01r

Run type: Secondary

Description of run:

Ranked by a weighted score. Partitioned into fixed sizes and sent to the crowd in ranked order.

## Results

Topic	#Docs	#Rel	TP	TN	FP	FN	TPR	TNR	FPR	FNR	LAM	AUC
411	2056	27	15	2022	7	12	0.554	0.996	0.004	0.446	0.052	NA
416	1235	45	41	1183	7	4	0.902	0.994	0.006	0.098	0.026	NA
417	2992	75	52	2909	8	23	0.691	0.997	0.003	0.309	0.035	NA
420	1136	37	27	1089	10	10	0.724	0.990	0.010	0.276	0.057	NA
427	1528	37	24	1476	15	13	0.645	0.990	0.010	0.355	0.071	NA
432	2503	22	1	2465	16	21	0.065	0.993	0.007	0.935	0.236	NA
438	1798	162	94	1628	8	68	0.580	0.995	0.005	0.420	0.058	NA
445	1404	60	48	1331	13	12	0.795	0.990	0.010	0.205	0.049	NA
446	2020	156	93	1849	15	63	0.596	0.992	0.008	0.404	0.070	NA
447	1588	16	14	1557	15	2	0.853	0.990	0.010	0.147	0.040	NA
Average	1826.000	63.700	40.900	1750.900	11.400	22.800	0.640	0.993	0.007	0.360	0.069	NA

Table 1: This table shows per-topic statistics and overall averages for the run UIowaS01r. The topics are 10 randomly selected topics from the TREC 8 ad-hoc task. A relevant document is positive and a non-relevant document is negative. The true positive (TP), true negative (TN), false positive (FP), and false negative (FN) counts are based on an adjudicated set of relevance judgments that differs from the original TREC-8 ad-hoc qrels. The true positive rate (TPR), false positive rate (FPR), true negative rate (TNR), and the false negative rate (FNR) are all smoothed values. Details of the computation of the logistic average misclassification (LAM) rate and the area under the curve (AUC) are given in the track overview paper. Some runs did not report a probability of relevance and thus will have NA for their AUC score.

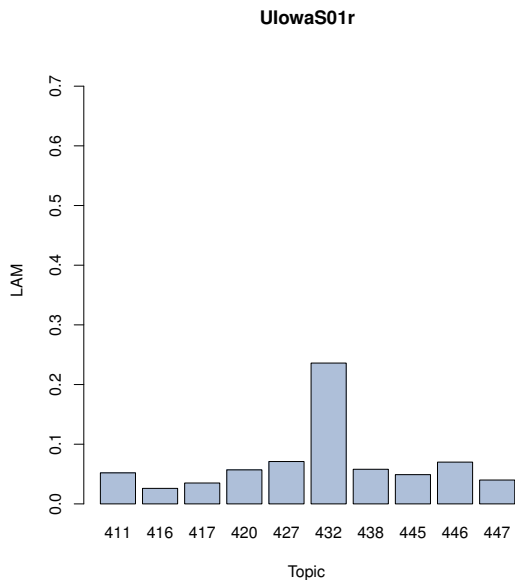


Figure 1: UIowaS01r LAM