LETOR: Benchmark Datasets for Learning to Rank

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LETOR is a package of benchmark datasets for research on **LE**arning **TO R**ank. LETOR version 1.0 contains two data sets: OHSUMED, and TREC (TD2003 and TD2004). It also provides basic documents, evaluation tools, and baseline evaluation results. Below is the list of files included in LETOR 1.0.

	File	Description
1	Readme.txt	Version information
2	CheckList.pdf	This document
3	EvalTool\bin\eval.pl	The perl script for calculating P@n, MAP and NDCG scores for the ranking results of a given ranking algorithm
4	EvalTool\bin\eval.exe	EXE version of the evaluation tool
5	EvaTool\Readme_Eval.pdf	The document on the evaluation tool
6	EvaTool\Results	All the evaluation results output by eval.pl
7	OHSUMED\Readme_OHSUMED.pdf	The description of the OHSUMED dataset, including features and baselines.
8	OHSUMED\Baselines\SingleFeatures_OHSUMED.xls	Accuracy of each individual feature in the OHSUMED dataset
9	OHSUMED\Data \All\ OHSUMED.txt	The feature file for the whole OHSUMED dataset
10	OHSUMED\Data \Foldn\trainingset.txt	The training set of the <i>n</i> -th fold for the OHSUMED dataset
11	OHSUMED\Data \Fold <i>n</i> \validationset.txt	The validation set of the <i>n</i> -th fold for the OHSUMED dataset
12	OHSUMED\Data\Fold <i>n</i> \testset.txt	The test set of the <i>n</i> -th fold for the OHSUMED dataset
13	OHSUMED\Baselines\ReferenceAlgs_OHSUMED.xls	The experimental results of RankSVM and RankBoost for the OHSUMED dataset
14	TREC\Readme_TREC.pdf	The description of the TREC dataset, including features and baselines.
15	TREC\TD2003\Baselines\SingleFeatures_TD2003.xls	Accuracy of each individual feature in the TREC TD2003 dataset
16	TREC\TD2003\Data\AII\ TD2003.txt	The feature file for the whole TREC TD2003 dataset
17	TREC\TD2003\Data\Fold <i>n</i> \trainingset.txt	The training set of the <i>n</i> -th fold for the TREC TD2003 dataset
18	TREC\TD2003\Data\Fold <i>n</i> \validationset.txt	The validation set of the <i>n</i> -th fold for the TREC TD2003 dataset
19	TREC \TD2003\Data\Fold <i>n</i> \testset.txt	The test set of the <i>n</i> -th fold for the TREC TD2003 dataset

20	TREC \TD2003\Baselines\ ReferenceAlgs_TD2003.xls	The experimental results of RankSVM and RankBoost for the TREC TD2003 dataset
21	TREC \TD2004\Baselines\SingleFeatures_TD2004.xls	Accuracy of each individual feature in the TD2004 dataset of TREC
22	TREC \TD2004\Data\All\ TD2004.txt	The feature file for the whole TREC TD2004 dataset
23	TREC \TD2004\Data\Foldn\trainingset.txt	The training set of the <i>n</i> -th fold for the TREC TD2004 dataset
24	TREC \TD2004\Data\Foldn\validationset.txt	The validation set of the <i>n</i> -th fold for the TREC TD2004 dataset
25	TREC \TD2004\Data\Foldn\testset.txt	The test set of the <i>n</i> -th fold for the TREC TD2004 dataset
26	TREC \TD2004\Baselines\ReferenceAlgs_TD2004.xls	The experimental results of RankSVM and RankBoost for the TREC TD2004 dataset

Note:

- Users of LETOR need to sign the "Microsoft Research Shared Source License Agreement (Non-commercial Use Only)" provided at the web site, when they download the package.
- We plan to release more datasets for learning to rank in the future versions of LETOR.
 Please visit the website of LETOR (http://research.microsoft.com/users/tyliu/LETOR/), or send email to tyliu@microsoft.com.
- This document was last updated on March 1st, 2007.