



## Correction to: Data-driven prototyping via natural-language-based GUI retrieval

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In Tables 1 and 2 of this article, the numbers are not aligned to the metrics.

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**Table 1** Evaluation results overview of the different models on the NL-based GUI ranking gold standard using the Precision@k (p@k) and NDCG@k metrics

	P@k				NDCG@k (N@k)			
	P@3	P@5	P@7	P@10	N@3	N@5	N@10	N@15
TF-IDF	0.223	0.204	0.181	0.175	0.329	0.339	0.395	0.480
BM25	<b>0.303</b>	<b>0.276</b>	<b>0.246</b>	<b>0.226</b>	<b>0.426</b>	<b>0.441</b>	<b>0.515</b>	<b>0.579</b>
nBOW	0.270	0.234	0.220	0.193	0.395	0.370	0.374	0.398
BM25	0.303	0.276	0.246	0.226	0.426	0.441	0.515	0.579
+PRF	0.313	0.266	0.259	0.236	0.432	0.443	0.520	0.584
+PRF (s)	0.317	<b>0.280</b>	<b>0.260</b>	0.235	<b>0.441</b>	<b>0.462</b>	<b>0.536</b>	<b>0.604</b>
+PRF (w)	<b>0.320</b>	0.276	0.244	0.231	0.439	0.417	0.421	0.446
+PRF (sw)	0.317	0.280	0.256	<b>0.237</b>	0.429	0.416	0.426	0.456
Sentence-BERT	0.343	0.314	0.294	0.267	0.481	0.511	0.611	0.667
BERT-LTR (1)	0.377	0.350	0.307	0.269	0.530	<b>0.560</b>	0.634	0.697
BERT-LTR (2)	<b>0.400</b>	0.340	0.304	0.281	<b>0.543</b>	0.556	0.636	<b>0.701</b>
BERT-LTR (3)	0.363	<b>0.354</b>	<b>0.317</b>	<b>0.287</b>	0.517	0.554	<b>0.646</b>	0.694

Bold values indicate best metric score within the result group (baselines, AQE methods and BERT)

Underline values indicate best metric score over all result groups

**Table 2** Evaluation results overview of the different models on the NL-based GUI ranking gold standard using Average Precision (AP), MRR and HITS@k

	AveP	MRR	HITS@k (H@k)					
			H@1	H@3	H@5	H@7	H@10	H@15
TF-IDF	0.331	0.451	0.320	0.460	0.580	0.650	0.760	0.910
BM25	<b>0.413</b>	<b>0.520</b>	<b>0.370</b>	<b>0.600</b>	<b>0.690</b>	<b>0.760</b>	<b>0.860</b>	0.930
nBOW	0.281	0.490	0.340	0.540	0.630	0.750	0.840	<b>0.980</b>
BM25	0.413	0.520	0.370	0.600	0.690	0.760	0.860	0.930
+PRF	0.419	0.505	0.370	0.580	0.680	0.780	0.850	0.930
+PRF (s)	<b>0.427</b>	0.532	0.380	<b>0.610</b>	<b>0.700</b>	<b>0.780</b>	<b>0.880</b>	<b>0.960</b>
+PRF (w)	0.325	0.523	0.380	0.580	0.700	0.720	0.860	0.930
+PRF (sw)	0.333	<b>0.533</b>	<b>0.390</b>	0.590	0.700	0.770	0.870	0.930
Sentence-BERT	0.454	0.560	0.370	0.680	0.760	0.880	0.960	0.990
BERT-LTR (1)	0.486	0.618	<b>0.460</b>	0.710	0.860	0.920	0.980	1.00
BERT-LTR (2)	<b>0.501</b>	<b>0.631</b>	0.440	<b>0.750</b>	<b>0.910</b>	<b>0.960</b>	0.980	<b>1.00</b>
BERT-LTR (3)	0.499	0.626	0.450	0.730	0.860	0.940	<b>1.00</b>	1.00

Bold values indicate best metric score within the result group (baselines, AQE methods and BERT)

Underline values indicate best metric score over all result groups

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