CORRECTION

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	**0.303**	**0.276**	**0.246**	**0.226**	**0.426**	**0.441**	**0.515**	**0.579**
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	**0.280**	**0.260**	0.235	**0.441**	**0.462**	**0.536**	**0.604**
+PRF (w)	**0.320**	0.276	0.244	0.231	0.439	0.417	0.421	0.446
+PRF (sw)	0.317	0.280	0.256	**0.237**	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	<u>**0.560**</u>	0.634	0.697
BERT-LTR (2)	<u>**0.400**</u>	0.340	0.304	0.281	<u>**0.543**</u>	0.556	0.636	<u>**0.701**</u>
BERT-LTR (3)	0.363	<u>**0.354**</u>	<u>**0.317**</u>	<u>**0.287**</u>	0.517	0.554	<u>**0.646**</u>	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	**0.413**	**0.520**	**0.370**	**0.600**	**0.690**	**0.760**	**0.860**	0.930
nBOW	0.281	0.490	0.340	0.540	0.630	0.750	0.840	**0.980**
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)	**0.427**	0.532	0.380	**0.610**	**0.700**	**0.780**	**0.880**	**0.960**
+PRF (w)	0.325	0.523	0.380	0.580	0.700	0.720	0.860	0.930
+PRF (sw)	0.333	**0.533**	**0.390**	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	<u>**0.460**</u>	0.710	0.860	0.920	0.980	1.00
BERT-LTR (2)	<u>**0.501**</u>	<u>**0.631**</u>	0.440	<u>**0.750**</u>	<u>**0.910**</u>	<u>**0.960**</u>	0.980	<u>**1.00**</u>
BERT-LTR (3)	0.499	0.626	0.450	0.730	0.860	0.940	<u>**1.00**</u>	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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