

Ranking Abstracts to Identify Relevant Evidence for Systematic Reviews: The University of Sheffield's Approach to CLEF eHealth 2017 Task 2

Working Notes for CLEF 2017

1. Development Dataset:

Table 1 Results of runs evaluated against development dataset using abstract qrels (New Script)

RUN-ID	MAP	ap	last_rel	wss_100	wss_95	norm_area
Sheffield-baseline		0.05	7121.65	0.036	0.033	0.495
Sheffield-run-1		0.188	5793.7	0.138	0.385	0.815
Sheffield-run-2		0.223	4449.65	0.184	0.434	0.836
Sheffield-run-3		0.217	4768.85	0.17	0.415	0.83
Sheffield-run-4		0.223	4496.85	0.188	0.442	0.839
Sheffield-run-5		0.182	5866.6	0.135	0.344	0.808

Table 2 Results of runs evaluated against development dataset using abstract qrels

RUN-ID	MAP	ap	last_rel	wss_100	wss_95	norm_area
Sheffield-baseline	0.0502	0.05	7121.65	0.036	0.033	0.495
Sheffield-run-1	0.1876	0.184	5793.7	0.136	0.372	0.814
Sheffield-run-2	0.2226	0.211	4449.65	0.156	0.426	0.832
Sheffield-run-3	0.2172	0.207	4768.85	0.152	0.407	0.827
Sheffield-run-4	0.2233	0.212	4496.85	0.158	0.431	0.835
Sheffield-run-5	0.1821	0.173	5866.6	0.117	0.341	0.804

Table 3 Results of runs evaluated against development dataset using content qrels (New Script)

RUN-ID	MAP	ap	last_rel	wss_100	wss_95	norm_area
Sheffield-baseline		0.01	6575.3	0.104	0.077	0.465
Sheffield-run-1		0.094	2204.95	0.574	0.61	0.855
Sheffield-run-2		0.104	2097.2	0.549	0.589	0.867
Sheffield-run-3		0.095	2141.35	0.533	0.593	0.859
Sheffield-run-4		0.107	1999.35	0.568	0.611	0.875
Sheffield-run-5		0.108	2701.7	0.545	0.615	0.855

Table 4 Results of runs evaluated against development dataset using content qrels

RUN-ID	MAP	ap	last_rel	wss_100	wss_95	norm_area
Sheffield-baseline	0.0105	0.01	6575.3	0.104	0.077	0.465
Sheffield-run-1	0.0944	0.085	2204.95	0.452	0.607	0.85
Sheffield-run-2	0.104	0.09	2097.2	0.443	0.583	0.859
Sheffield-run-3	0.0949	0.082	2141.35	0.438	0.574	0.851
Sheffield-run-4	0.1065	0.093	1999.35	0.461	0.605	0.089
Sheffield-run-5	0.1085	0.089	2701.7	0.489	0.547	0.837

2. Test Dataset:

Table 5 Results of runs evaluated against Test dataset using abs qrels (New Script)

RUN-ID	MAP	ap	last_rel	wss_100	wss_95	norm_area
Sheffield-baseline		0.045	3727.433	0.039	0.031	0.483
Sheffield-run-1		0.17	2678.333	0.31	0.422	0.818
Sheffield-run-2		0.218	2441.7	0.385	0.493	0.845
Sheffield-run-3		0.199	2404.967	0.384	0.473	0.841
Sheffield-run-4		0.218	2382.467	0.395	0.488	0.847
Sheffield-run-5		0.158	2650.8	0.303	0.423	0.809

Table 6 Results of runs evaluated against Test dataset using abs qrels

RUN-ID	MAP	ap	last_rel	wss_100	wss_95	norm_area
Sheffield-baseline	0.0447	0.045	3727.433	0.039	0.031	0.483
Sheffield-run-1	0.17	0.151	2678.333	0.275	0.399	0.808
Sheffield-run-2	0.2184	0.173	2441.7	0.209	0.408	0.82
Sheffield-run-3	0.1986	0.17	2404.967	0.252	0.433	0.824
Sheffield-run-4	0.2179	0.172	2382	0.215	0.41	0.822
Sheffield-run-5	0.158	0.132	2650	0.24	0.365	0.791

Table 7 Results of runs evaluated against Test dataset using content qrels (New Script)

RUN-ID	MAP	ap	last_rel	wss_100	wss_95	norm_area
Sheffield-baseline		0.023	3307.793	0.088	0.067	0.478
Sheffield-run-1		0.12	1801.724	0.517	0.544	0.844
Sheffield-run-2		0.176	1928.828	0.534	0.58	0.87
Sheffield-run-3		0.153	1902.586	0.524	0.588	0.866
Sheffield-run-4		0.177	1846.586	0.543	0.587	0.874
Sheffield-run-5		0.114	1922.103	0.487	0.541	0.836