	cosine similarity																								
top n docs	5	5	5	5	5	4	4	4	4	4	3	3	3	3	3	2	2	2	2	2	1	1	1	1	1
top t terms	5	4	3	2	1	5	4	3	2	1	5	4	3	2	1	5	4	3	2	1	5	4	3	2	1
map score	0.3406	0.3328	0.313	0.3249	0.2939	0.3702	0.366	0.3177	0.3586	0.303	0.3655	0.3647	0.3577	0.3288	0.296	0.3331	0.3279	0.3438	0.3305	0.3304	0.3489	0.3489	0.3553	0.3553	0.3563
# of relevant retrieved	114	99	89	92	110	114	113	110	107	110	117	119	113	108	109	115	119	117	113	116	111	109	110	110	111
w/o expansion																									
num_rel_ret	108																								
map	0.3549																								
	bm25																								
top n docs	5	5	5	5	5	4	4	4	4	4	3	3	3	3	3	2	2	2	2	2	1	1	1	1	1
top t terms	5	4	3	2	1	5	4	3	2	1	5	4	3	2	1	5	4	3	2	1	5	4	3	2	1
map score	0.326	0.3634	0.3693	0.3736	0.4049	0.3336	0.3273	0.34	0.3501	0.3708	0.3433	0.344	0.3462	0.3682	0.4048	0.3835	0.3815	0.3719	0.3635	0.4003	0.403	0.4026	0.4026	0.4044	0.41
# of relevant retrieved	125	125	125	120	119	121	120	118	118	118	126	124	124	124	122	121	120	119	119	119	119	119	119	119	119
w/o expansion																									
num_rel_ret	119																								
map	0.4100																								
	kl divergence																								
top n docs	5	5	5	5	5	4	4	4	4	4	3	3	3	3	3	2	2	2	2	2	1	1	1	1	1
top t terms	5	4	3	2	1	5	4	3	2	1	5	4	3	2	1	5	4	3	2	1	5	4	3	2	1
map score	0.2703	0.2602	0.2639	0.2649	0.2441	0.2795	0.2758	0.2788	0.2803	0.2758	0.272	0.2745	0.2762	0.267	0.2725	0.3403	0.3404	0.3264	0.3168	0.3091	0.2983	0.3048	0.3046	0.3063	0.3098
# of relevant retrieved	114	113	111	110	110	112	110	111	110	111	111	111	110	111	110	112	112	111	111	110	112	112	112	112	113
w/o expansion																									
num_rel_ret	113																								
map	0.3092																								