

TREC-IS 2020-A Results

Richard Mccreadie

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1 Result Table

TREC-IS 2020-A Task 1								
Run	General	Alerting		Information Feed			Prioritization	
	NDCG	Accumulated	Alert Worth	Info. Type	Positive F1	Info. Type Accuracy	Priority F1	
	All	High Priority	All	Actionable	All	All	Actionable	All
baseline.high	0.3701	0.2121	-0.0847	0.0361	0.1111	0.0715	0.1383	0.0616
baseline.low	0.3696	-0.7069	-0.3534	0.0000	0.0314	0.9403	0.0646	0.1579
elmo.all_2020_brf	0.4212	-0.2628	-0.2028	0.0933	0.1438	0.7502	0.2630	0.2575
elmo.all_2020_eec	0.4235	-0.2674	-0.1863	0.0769	0.1371	0.7284	0.2076	0.2351
elmo.all_tfidf	0.4301	-0.2090	-0.1705	0.0884	0.1380	0.7529	0.1651	0.1929
njit-sub01.text	0.4632	-0.4801	-0.2493	0.0792	0.1582	0.9025	0.1524	0.2198
njit-sub02.text+aug	0.4776	-0.5024	-0.2560	0.1466	0.2089	0.9056	0.0958	0.2076
sc-rf-021	0.3882	-0.6668	-0.3439	0.0088	0.0857	0.9204	0.0791	0.1791
sc-rf-022	0.3816	-0.6806	-0.3504	0.0041	0.0850	0.9217	0.0688	0.1695
sc-rf-023	0.3824	-0.6760	-0.3480	0.0085	0.0853	0.9209	0.0918	0.1782
sc-rf-024	0.3763	-0.7006	-0.3597	0.0039	0.0861	0.9217	0.0594	0.1574
UCD_CS_R1	0.4866	-0.3920	-0.2106	0.1674	0.1718	0.8978	0.2291	0.2630
UCD_CS_R2	0.4862	-0.3920	-0.2106	0.1539	0.1712	0.8944	0.2500	0.2800
UCD_CS_R3	0.4756	-0.4073	-0.2211	0.0935	0.1517	0.8926	0.2642	0.2627
UCD_CS_R4	0.4759	-0.4488	-0.2451	0.1491	0.1719	0.8966	0.2307	0.2364

Table 1: 2020-A Task 1 Submitted runs under the v2.4 evaluation script. Priority-centric NDCG (NDCG), higher is better. Alerting metrics range from -1 to 1, higher is better. Information Feed metrics range from 0 to 1, higher is better. Prioritization metrics range from 0 to 1, higher is better.

TREC-IS 2020-A Task 2											
Run	Submitted-To	Top 100 P-NDCG	Alerting		Information Feed			Prioritization			
			All	Accumulated Alert Worth		Info. Type Actionable	Positive F1		Info. Type Accuracy	Priority F1	
				High Priority	All		All	All		Actionable	All
baseline.high	Task 1	0.3694	0.2121	-0.0847	0.0356	0.0779	0.1234	0.1618	0.0988		
baseline.high	Task 2	0.3691	0.2121	-0.0847	0.0356	0.0779	0.0465	0.1618	0.0988		
baseline.low	Task 1	0.3689	-0.7069	-0.3534	0.0000	0.0000	0.9535	0.0646	0.0887		
baseline.low	Task 2	0.3688	-0.7069	-0.3534	0.0000	0.0000	0.8766	0.0646	0.0887		
elmo_all_2020_brf	Task 1	0.4222	-0.2628	-0.2028	0.0933	0.1113	0.8035	0.1821	0.1672		
elmo_all_2020_eec	Task 1	0.4235	-0.2674	-0.1863	0.0770	0.0993	0.7835	0.1370	0.1612		
elmo_all_tfidf	Task 1	0.4297	-0.2090	-0.1705	0.0881	0.1036	0.8072	0.1737	0.1913		
njit-sub01.text	Task 1	0.4631	-0.4801	-0.2493	0.0803	0.1026	0.9414	0.1554	0.1679		
njit-sub01.text	Task 2	0.4609	-0.4884	-0.2538	0.1131	0.1508	0.8612	0.1554	0.1682		
njit-sub02.text+aug	Task 1	0.4780	-0.5024	-0.2560	0.1481	0.2079	0.9407	0.0982	0.1584		
njit-sub02.text+aug	Task 2	0.4784	-0.5178	-0.2637	0.1151	0.1653	0.8634	0.1004	0.1862		
sc-rf-021	Task 1	0.3879	-0.6668	-0.3439	0.0090	0.0724	0.9459	0.0892	0.1241		
sc-rf-022	Task 1	0.3818	-0.6806	-0.3504	0.0042	0.0680	0.9461	0.0788	0.1251		
sc-rf-023	Task 1	0.3814	-0.6760	-0.3480	0.0087	0.0708	0.9462	0.0925	0.1178		
sc-rf-024	Task 1	0.3762	-0.7006	-0.3597	0.0041	0.0671	0.9467	0.0694	0.1090		
sc-rf-025	Task 2	0.3701	-0.7405	-0.3710	0.0004	0.0075	0.8753	0.0677	0.0925		
sc-rf-026	Task 2	0.3773	-0.7375	-0.3695	0.0000	0.0058	0.8752	0.0691	0.0926		
sc-rf-027	Task 2	0.3696	-0.7421	-0.3719	0.0008	0.0065	0.8753	0.0684	0.0920		
sc-rf-028	Task 2	0.3740	-0.7421	-0.3716	0.0004	0.0071	0.8755	0.0677	0.0916		
UCD_CS_R1	Task 1	0.4864	-0.3920	-0.2106	0.1695	0.1530	0.9376	0.1953	0.2612		
UCD_CS_R2	Task 1	0.4864	-0.3920	-0.2106	0.1553	0.1551	0.9318	0.1953	0.2612		
UCD_CS_R3	Task 1	0.4764	-0.4073	-0.2211	0.0943	0.1246	0.9298	0.2077	0.2414		
UCD_CS_R4	Task 1	0.4762	-0.4488	-0.2451	0.1509	0.1648	0.9336	0.1816	0.2089		
UCD_CS_T2_R1	Task 2	0.3960	-0.5180	-0.2845	0.1504	0.1309	0.8781	0.1939	0.1633		

Table 2: 2020-A Task 2 Submitted runs under the v2.4 evaluation script. Priority-centric NDCG (NDCG), higher is better. Alerting metrics range from -1 to 1, higher is better. Information Feed metrics range from 0 to 1, higher is better. Prioritization metrics range from 0 to 1, higher is better.

TREC-IS 2020-A Task 3				
Run	General NDCG	Information Feed		Prioritization
		Info. Type F1	Info. Type Accuracy	Priority F1
UCD_CS_T3_R1	0.2462	0.0969	0.7995	0.1360
UCD_CS_T3_R2	0.2626	0.1543	0.9139	0.2051
UCD_CS_T3_R3	0.2662	0.1540	0.9132	0.2309
elmo_textonly_covid	0.2211	0.0523	0.8187	0.2152
njit-sub01.text	0.2289	0.1106	0.9588	0.2765
njit-sub02.text+aug	0.2352	0.0993	0.9576	0.2177
sc-rf-029	0.2052	0.0266	0.9648	0.1053
sc-rf-030	0.2156	0.0285	0.9642	0.1125
sc-rf-031	0.2077	0.0279	0.9647	0.1060
sc-rf-032	0.2139	0.0262	0.9645	0.1102

Table 3: 2020-A Task 3 Submitted runs under the v2.4 evaluation script. Priority-centric NDCG (NDCG), higher is better. Information Feed metrics range from 0 to 1, higher is better. Prioritization metrics range from 0 to 1, higher is better.