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TREC-IS 2020-A Task 1 Notebook Evaluator v2.4
Run: elmo_all_tfidf (elmo_all_tfidf_brf.2020A.task1.run)


--------------------------------------------------
EVALUATON: Alertng Performance
Overall performance
--------------------------------------------------
> High Importance Alert Worth:  -0.20898345153664144
> Low Importance Alert Worth:   -0.13198885076667824
> Accumulated Alert Worth:      -0.17048615115165983


--------------------------------------------------
EVALUATON: nDCG and Priority
Overall performance
--------------------------------------------------
> nDCG: 0.4300681623450023


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EVALUATON: Information Type Categorization
Overall performance
--------------------------------------------------
> Information Type Precision (positive class, multi-type, macro):      0.10987530669769228
> Information Type Recall (positive class, multi-type, macro):  0.49968530332806327
> Information Type F1 (positive class, multi-type, macro):      0.1380108651532443
> Information Type Accuracy (overall, multi-type, macro):       0.7528878711049315
> High Importance Information Type Precision (positive class, multi-type, macro):      0.050615542080238746
> High Importance Information Type Recall (positive class, multi-type, macro):  0.515075076228153
> High Importance Information Type F1 (positive class, multi-type, macro):      0.08839059863633292
> High Importance Information Type Accuracy (overall, multi-type, macro):       0.818257408467599
> Low Importance Information Type Precision (positive class, multi-type, macro):        0.1285889165768881
> Low Importance Information Type Recall (positive class, multi-type, macro):   0.4948253750438245
> Low Importance Information Type F1 (positive class, multi-type, macro):       0.15368042300069
> Low Importance Information Type Accuracy (overall, multi-type, macro):        0.7322448593061948


--------------------------------------------------
EVALUATON: Information Priority Level
Overall Performance
--------------------------------------------------
> Priority Label Prediction (F1, macro): 0.192911534118055
> Priority Label Prediction High Importance (F1, macro): 0.16511540213010778
> Priority Label Prediction Low Importance (F1, macro): 0.20168926000898563


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LATEX
--------------------------------------------------
elmo_all_tfidf & 0.4301 & -0.2090 & -0.1705 & 0.0884 & 0.1380 & 0.7529 & 0.1651 & 0.1929 \\
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TREC-IS 2020-A Task 1 Notebook Evaluator v2.4
Run: elmo_all_tfidf (elmo_all_tfidf_brf.2020A.task1.run)

EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
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athensEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.08758508675548665
  Information Type Recall (positive class, multi-type, macro): 0.3218089635854342
  Information Type F1 (positive class, multi-type, macro): 0.09565877291497855
  Information Type Accuracy (overall, multi-type, macro): 0.7568710359408034
  High Importance Information Type Precision (positive class, multi-type, macro): 0.027490942127420953
  High Importance Information Type Recall (positive class, multi-type, macro): 0.4166666666666667
  High Importance Information Type F1 (positive class, multi-type, macro): 0.04931245366938473
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.7840028188865399
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.10656218505908634
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.2918538994545186
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.11029445267674502
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7483031044842551

baltimoreFlashFlood2020
  Information Type Precision (positive class, multi-type, macro): 0.04045454545454546
  Information Type Recall (positive class, multi-type, macro): 0.052564102564102565
  Information Type F1 (positive class, multi-type, macro): 0.020020827624006577
  Information Type Accuracy (overall, multi-type, macro): 0.7638379530916842
  High Importance Information Type Precision (positive class, multi-type, macro): 0.001893939393939394
  High Importance Information Type Recall (positive class, multi-type, macro): 0.16666666666666666
  High Importance Information Type F1 (positive class, multi-type, macro): 0.003745318352059925
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.8781094527363185
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.05263157894736842
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.016531713900134953
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.0251604621309371
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7277522163617999

brooklynBlockPartyShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.2022851662756141
  Information Type Recall (positive class, multi-type, macro): 0.33520244578429426
  Information Type F1 (positive class, multi-type, macro): 0.20568741376121571
  Information Type Accuracy (overall, multi-type, macro): 0.7959916492693111
  High Importance Information Type Precision (positive class, multi-type, macro): 0.028370935087855268
  High Importance Information Type Recall (positive class, multi-type, macro): 0.3148148148148148
  High Importance Information Type F1 (positive class, multi-type, macro): 0.04990061617968595
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.8910925539318023
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.2572054498085906
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.34164064503781416
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.25488324457643563

   Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7659597846390506

daytonOhioShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.060377281224158814
  Information Type Recall (positive class, multi-type, macro): 0.25571419275069956
  Information Type F1 (positive class, multi-type, macro): 0.06382594483904723
  Information Type Accuracy (overall, multi-type, macro): 0.8221473684210525
  High Importance Information Type Precision (positive class, multi-type, macro): 0.007413793103448276
  High Importance Information Type Recall (positive class, multi-type, macro): 0.3333333333333333
  High Importance Information Type F1 (positive class, multi-type, macro): 0.014411441144114412
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9207017543859649
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.07710259326227793
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.2312028851982889
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.07943052495323653
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7910249307479225

elPasoWalmartShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.10107865961808393
  Information Type Recall (positive class, multi-type, macro): 0.20039369867944823
  Information Type F1 (positive class, multi-type, macro): 0.10135937816970916
  Information Type Accuracy (overall, multi-type, macro): 0.8377728285077949
  High Importance Information Type Precision (positive class, multi-type, macro): 0.0
  High Importance Information Type Recall (positive class, multi-type, macro): 0.0
  High Importance Information Type F1 (positive class, multi-type, macro): 0.0
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9255753526354863
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.13299823633958413
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.26367591931506346
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.13336760285488047
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8100457156253662

gilroygarlicShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.1535734618739528
  Information Type Recall (positive class, multi-type, macro): 0.24885860804001747
  Information Type F1 (positive class, multi-type, macro): 0.13644035020055598
  Information Type Accuracy (overall, multi-type, macro): 0.8263829787234043
  High Importance Information Type Precision (positive class, multi-type, macro): 0.0
  High Importance Information Type Recall (positive class, multi-type, macro): 0.0
  High Importance Information Type F1 (positive class, multi-type, macro): 0.0
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9322695035460993
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.20207034457099052
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.32744553689475986
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.17952677657967892
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7929451287793953

hurricaneBarry2020
  Information Type Precision (positive class, multi-type, macro): 0.05898918792763224
  Information Type Recall (positive class, multi-type, macro): 0.4692831815228071

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  Information Type F1 (positive class, multi-type, macro): 0.056533344050765336
  Information Type Accuracy (overall, multi-type, macro): 0.7103624733475481
  High Importance Information Type Precision (positive class, multi-type, macro): 0.02181818181818182
  High Importance Information Type Recall (positive class, multi-type, macro): 0.49444444444444446
  High Importance Information Type F1 (positive class, multi-type, macro): 0.04146384479717812
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.7562189054726366
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.07072740038324817
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.4613375195475531
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.06129213328874024
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6958814947817306

indonesiaEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.15047032918176323
  Information Type Recall (positive class, multi-type, macro): 0.27850373950767193
  Information Type F1 (positive class, multi-type, macro): 0.13668065396067067
  Information Type Accuracy (overall, multi-type, macro): 0.7322553191489363
  High Importance Information Type Precision (positive class, multi-type, macro): 0.2509194181104936
  High Importance Information Type Recall (positive class, multi-type, macro): 0.31000174703004896
  High Importance Information Type F1 (positive class, multi-type, macro): 0.24108070983070984
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.8074468085106382
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.118749564256901
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.2685570002900792
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.10371221526486887
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7085106382978723

keralaFloods2020
  Information Type Precision (positive class, multi-type, macro): 0.18221313429271774
  Information Type Recall (positive class, multi-type, macro): 0.4043630583708546
  Information Type F1 (positive class, multi-type, macro): 0.18433548368242955
  Information Type Accuracy (overall, multi-type, macro): 0.6971867007672634
  High Importance Information Type Precision (positive class, multi-type, macro): 0.0
  High Importance Information Type Recall (positive class, multi-type, macro): 0.0
  High Importance Information Type F1 (positive class, multi-type, macro): 0.0
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.690537084398977
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.23975412406936544
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.5320566557511245
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.24254668905582838
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6992865796204066

myanmarFloods2020
  Information Type Precision (positive class, multi-type, macro): 0.13050979383754538
  Information Type Recall (positive class, multi-type, macro): 0.3709756522477972
  Information Type F1 (positive class, multi-type, macro): 0.14566193756142679
  Information Type Accuracy (overall, multi-type, macro): 0.7318297872340426
  High Importance Information Type Precision (positive class, multi-type, macro): 0.031878233321537504
  High Importance Information Type Recall (positive class, multi-type, macro): 0.21982281284606864
  High Importance Information Type F1 (positive class, multi-type, macro): 0.05086932638383219
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  High Importance Information Type Accuracy (overall, multi-type, macro): 0.7170212765957445
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1616566024215479
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.4187081278483431
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.1755964463543514
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7365061590145577

papuaNewguineaEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.18367003703334867
  Information Type Recall (positive class, multi-type, macro): 0.28574262061581396
  Information Type F1 (positive class, multi-type, macro): 0.1853931836705523
  Information Type Accuracy (overall, multi-type, macro): 0.756420581655481
  High Importance Information Type Precision (positive class, multi-type, macro): 0.05125
  High Importance Information Type Recall (positive class, multi-type, macro): 0.1553030303030303
  High Importance Information Type F1 (positive class, multi-type, macro): 0.07706766917293233
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.7266964951528708
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.2254868908333535
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.3269340701882719
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.21960124088032704
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7658071352878842

siberianWildfires2020
  Information Type Precision (positive class, multi-type, macro): 0.1221450271288745
  Information Type Recall (positive class, multi-type, macro): 0.24921115176848294
  Information Type F1 (positive class, multi-type, macro): 0.12934810713978423
  Information Type Accuracy (overall, multi-type, macro): 0.7427004219409282
  High Importance Information Type Precision (positive class, multi-type, macro): 0.044727343673787924
  High Importance Information Type Recall (positive class, multi-type, macro): 0.2523809523809524
  High Importance Information Type F1 (positive class, multi-type, macro): 0.06788020033310381
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.7946554149085795
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.14659271664100706
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.24821016210138733
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.14875902507873592
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7262935820564067

typhoonKrosa2020
  Information Type Precision (positive class, multi-type, macro): 0.054124689612749785
  Information Type Recall (positive class, multi-type, macro): 0.3760183066361556
  Information Type F1 (positive class, multi-type, macro): 0.0318718380241769
  Information Type Accuracy (overall, multi-type, macro): 0.6451502145922747
  High Importance Information Type Precision (positive class, multi-type, macro): 0.005309700339820822
  High Importance Information Type Recall (positive class, multi-type, macro): 0.13888888888888887
  High Importance Information Type F1 (positive class, multi-type, macro): 0.009847561514139862
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.6909871244635193
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.06953994938314839
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.4509012806616083
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.03882687271155702
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6306754009487238

elmo_all_tfidf   **task2**

typhoonLekima2020
  Information Type Precision (positive class, multi-type, macro): 0.07353334529883004
  Information Type Recall (positive class, multi-type, macro): 0.2403476653811876
  Information Type F1 (positive class, multi-type, macro): 0.06589697732603547
  Information Type Accuracy (overall, multi-type, macro): 0.6997014925373135
  High Importance Information Type Precision (positive class, multi-type, macro): 0.026074579150667795
  High Importance Information Type Recall (positive class, multi-type, macro): 0.22674418604651161
  High Importance Information Type F1 (positive class, multi-type, macro): 0.044506668987996795
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.7846481876332624
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.08852032408246024
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.24464350096055898
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.07265181153804769
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6728762204017505

whaleyBridgeCollapse2020
  Information Type Precision (positive class, multi-type, macro): 0.21598507845846832
  Information Type Recall (positive class, multi-type, macro): 0.43777944317823336
  Information Type F1 (positive class, multi-type, macro): 0.25880500228945497
  Information Type Accuracy (overall, multi-type, macro): 0.7013333333333334
  High Importance Information Type Precision (positive class, multi-type, macro): 0.1798652208120959
  High Importance Information Type Recall (positive class, multi-type, macro): 0.4127422877422878
  High Importance Information Type F1 (positive class, multi-type, macro): 0.23312416403426392
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.7079365079365078
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.22739134929416485
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.44568591331590046
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.2669147406858311
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.699248120300752

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EVALUATON: Information Type Categorization (Multi-type)
Per Information Type Performance

Request-GoodsServices

	precision	recall	f1-score	support
Other Classes	1.00	0.92	0.96	12216
Request-GoodsServices	0.00	0.18	0.00	11
avg / total	1.00	0.92	0.96	12227

Request-SearchAndRescue

	precision	recall	f1-score	support
Other Classes	1.00	0.88	0.94	12216
Request-SearchAndRescue	0.00	0.36	0.01	11
avg / total	1.00	0.88	0.94	12227

Request-InformationWanted

	precision	recall	f1-score	support
Other Classes	1.00	0.91	0.95	12196
Request-InformationWanted	0.00	0.06	0.00	31
avg / total	0.99	0.91	0.95	12227

CallToAction-Volunteer

	precision	recall	f1-score	support
Other Classes	1.00	0.93	0.97	12214
CallToAction-Volunteer	0.01	0.77	0.02	13
avg / total	1.00	0.93	0.96	12227

CallToAction-Donations

	precision	recall	f1-score	support
Other Classes	1.00	0.96	0.98	12197

CallToAction-Donations	0.05	0.90	0.10	30
avg / total	1.00	0.96	0.98	12227

CallToAction-MovePeople

	precision	recall	f1-score	support
Other Classes	0.99	0.95	0.97	12109
CallToAction-MovePeople	0.08	0.46	0.13	118
avg / total	0.99	0.94	0.96	12227

Report-FirstPartyObservation

	precision	recall	f1-score	support
Other Classes	1.00	0.72	0.83	12187
Report-FirstPartyObservation	0.01	0.45	0.01	40
avg / total	0.99	0.72	0.83	12227

Report-ThirdPartyObservation

	precision	recall	f1-score	support
Other Classes	0.98	0.51	0.67	11890
Report-ThirdPartyObservation	0.04	0.64	0.07	337
avg / total	0.95	0.52	0.66	12227

Report-Weather

	precision	recall	f1-score	support
Other Classes	1.00	0.76	0.86	12080
Report-Weather	0.04	0.81	0.08	147
avg / total	0.99	0.76	0.85	12227

Report-Location

	precision	recall	f1-score	support
Other Classes	0.74	0.77	0.76	8786
Report-Location	0.35	0.32	0.33	3441

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      avg / total        0.63        0.64        0.64       12227
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Report-EmergingThreats

	precision	recall	f1-score	support
Other Classes	0.98	0.67	0.79	11419
Report-EmergingThreats	0.15	0.83	0.25	808
avg / total	0.93	0.68	0.76	12227

Report-NewSubEvent

	precision	recall	f1-score	support
Other Classes	0.98	0.61	0.76	11828
Report-NewSubEvent	0.06	0.71	0.11	399
avg / total	0.95	0.62	0.73	12227

Report-MultimediaShare

	precision	recall	f1-score	support
Other Classes	0.90	0.47	0.62	9860
Report-MultimediaShare	0.26	0.78	0.39	2367
avg / total	0.77	0.53	0.57	12227

Report-ServiceAvailable

	precision	recall	f1-score	support
Other Classes	1.00	0.88	0.93	12185
Report-ServiceAvailable	0.02	0.55	0.03	42
avg / total	0.99	0.88	0.93	12227

Report-Factoid

	precision	recall	f1-score	support
Other Classes	0.94	0.64	0.76	10563
Report-Factoid	0.25	0.74	0.37	1664
avg / total	0.85	0.66	0.71	12227

Report-Official

	precision	recall	f1-score	support
Other Classes	0.97	0.79	0.87	11844
Report-Official	0.05	0.35	0.09	383
avg / total	0.95	0.77	0.85	12227

Report-News

	precision	recall	f1-score	support
Other Classes	0.93	0.47	0.63	10583
Report-News	0.19	0.78	0.30	1644
avg / total	0.83	0.51	0.58	12227

Report-CleanUp

	precision	recall	f1-score	support
Other Classes	1.00	0.79	0.88	12220
Report-CleanUp	0.00	0.43	0.00	7
avg / total	1.00	0.79	0.88	12227

Report-Hashtags

	precision	recall	f1-score	support
Other Classes	0.95	0.81	0.87	10806
Report-Hashtags	0.32	0.68	0.43	1421
avg / total	0.88	0.80	0.82	12227

Report-OriginalEvent

	precision	recall	f1-score	support
Other Classes	0.98	0.69	0.81	11999
Report-OriginalEvent	0.01	0.12	0.01	228
avg / total	0.96	0.68	0.79	12227

Other-ContextualInformation

	precision	recall	f1-score	support
Other Classes	0.96	0.89	0.92	11732
Other-ContextualInformation	0.06	0.18	0.09	495
avg / total	0.93	0.86	0.89	12227

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.99	0.86	0.92	12084
Other-Advice	0.03	0.37	0.06	143
avg / total	0.98	0.85	0.91	12227

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.99	0.78	0.87	12055
Other-Sentiment	0.03	0.52	0.06	172
avg / total	0.98	0.78	0.86	12227

Other-Discussion

	precision	recall	f1-score	support
Other Classes	1.00	0.73	0.85	12197
Other-Discussion	0.00	0.13	0.00	30
avg / total	0.99	0.73	0.84	12227

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.40	0.77	0.53	4339
Other-Irrelevant	0.74	0.37	0.49	7888
avg / total	0.62	0.51	0.51	12227