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TREC-IS 2020-A Task 2 Notebook Evaluator v2.4
Run: elmo_all_2020_brf (elmo_all_brf.2020A.task1.run)


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EVALUATON: Alertng Performance
Overall performance
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> High Importance Alert Worth:   -0.2627659574468071
> Low Importance Alert Worth:    -0.14289229307963192
> Accumulated Alert Worth:       -0.2028291252632195


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EVALUATON: nDCG and Priority
Overall performance
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> nDCG: 0.422241312587314


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EVALUATON: Information Type Categorization
Overall performance
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> Information Type Precision (positive class, multi-type, macro):      0.07923276247480193
> Information Type Recall (positive class, multi-type, macro):  0.5186236945219601
> Information Type F1 (positive class, multi-type, macro):      0.11130117214961598
> Information Type Accuracy (overall, multi-type, macro):       0.8034551528458457
> High Importance Information Type Precision (positive class, multi-type, macro):      0.05344224175632014
> High Importance Information Type Recall (positive class, multi-type, macro):  0.5949386563516997
> High Importance Information Type F1 (positive class, multi-type, macro):      0.09328123860964634
> High Importance Information Type Accuracy (overall, multi-type, macro):       0.8136501185900057
> Low Importance Information Type Precision (positive class, multi-type, macro):      0.10133892309064349
> Low Importance Information Type Recall (positive class, multi-type, macro):  0.45321087009646893
> Low Importance Information Type F1 (positive class, multi-type, macro):       0.12674682946958993
> Low Importance Information Type Accuracy (overall, multi-type, macro):       0.7947166107794226


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EVALUATON: Information Priority Level
Overall Performance
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> Priority Label Prediction (F1, macro): 0.1671765219377987
> Priority Label Prediction High Importance (F1, macro): 0.18210299283090903
> Priority Label Prediction Low Importance (F1, macro): 0.15438240402941839


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LATEX
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elmo_all_2020_brf & 0.4222 & -0.2628 & -0.2028 & 0.0933 & 0.1113 & 0.8035 & 0.1821 & 0.1672 \\
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TREC-IS 2020-A Task 2 Notebook Evaluator v2.4
Run: elmo_all_2020_brf (elmo_all_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): 0.06586401209574783
  Information Type Recall (positive class, multi-type, macro): 0.39593739593739585
  Information Type F1 (positive class, multi-type, macro): 0.09934552010907487
  Information Type Accuracy (overall, multi-type, macro): 0.8385103268824199
  High Importance Information Type Precision (positive class, multi-type, macro): 0.03202089637520188
  High Importance Information Type Recall (positive class, multi-type, macro): 0.5
  High Importance Information Type F1 (positive class, multi-type, macro): 0.05660506678318383
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.7928118393234671
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.09487239699907292
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.3067408781694496
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.13598019438841005
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.877680459075808

baltimoreFlashFlood2020
  Information Type Precision (positive class, multi-type, macro): 0.000827129859387924
  Information Type Recall (positive class, multi-type, macro): 0.07692307692307693
  Information Type F1 (positive class, multi-type, macro): 0.0016366612111292965
  Information Type Accuracy (overall, multi-type, macro): 0.8197474167623422
  High Importance Information Type Precision (positive class, multi-type, macro): 0.001792114695340502
  High Importance Information Type Recall (positive class, multi-type, macro): 0.16666666666666666
  High Importance Information Type F1 (positive class, multi-type, macro): 0.003546099290780142
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.886638237384506
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.0
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.0
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.0
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7624124276576303

brooklynBlockPartyShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.12156863114546385
  Information Type Recall (positive class, multi-type, macro): 0.2811077599506431
  Information Type F1 (positive class, multi-type, macro): 0.13052362646621815
  Information Type Accuracy (overall, multi-type, macro): 0.8630158985065038
  High Importance Information Type Precision (positive class, multi-type, macro): 0.023145376478077722
  High Importance Information Type Recall (positive class, multi-type, macro): 0.3055555555555556
  High Importance Information Type F1 (positive class, multi-type, macro): 0.04180297320800033
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.8900487125956854
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.20593142086036623
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.2601525065750038
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.20656990068754774

  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8398449150014912

daytonOhioShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.06769033277377308
  Information Type Recall (positive class, multi-type, macro): 0.1356227106227106
  Information Type F1 (positive class, multi-type, macro): 0.065300021126373
  Information Type Accuracy (overall, multi-type, macro): 0.8778947368421053
  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): 0.9164912280701754
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.12571061800843572
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.2518707482993197
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.12127146780612127
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.844812030075188

elPasoWalmartShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.06842364645574218
  Information Type Recall (positive class, multi-type, macro): 0.10903945129845811
  Information Type F1 (positive class, multi-type, macro): 0.0663091616481447
  Information Type Accuracy (overall, multi-type, macro): 0.8697104677060132
  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): 0.9033036377134374
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.12707248627494977
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.20250183812570793
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.12314558591798301
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8409163219853644

gilroygarlicShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.11203800462112483
  Information Type Recall (positive class, multi-type, macro): 0.1551700726458008
  Information Type F1 (positive class, multi-type, macro): 0.08009113300335614
  Information Type Accuracy (overall, multi-type, macro): 0.862684124386252
  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): 0.9170212765957447
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.2080705800106604
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.28817299205648716
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.1487406755776614
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8161094224924011

hurricaneBarry2020
  Information Type Precision (positive class, multi-type, macro): 0.020187117870904117
  Information Type Recall (positive class, multi-type, macro): 0.4412087912087912

Information Type F1 (positive class, multi-type, macro): 0.03802670626761541
Information Type Accuracy (overall, multi-type, macro): 0.7474167623421355
High Importance Information Type Precision (positive class, multi-type, macro): 0.02474503025064823
High Importance Information Type Recall (positive class, multi-type, macro): 0.49444444444444446
High Importance Information Type F1 (positive class, multi-type, macro): 0.046502346513534694
High Importance Information Type Accuracy (overall, multi-type, macro): 0.7661691542288557
Low Importance Information Type Precision (positive class, multi-type, macro): 0.016280335831123444
Low Importance Information Type Recall (positive class, multi-type, macro): 0.395578231292517
Low Importance Information Type F1 (positive class, multi-type, macro): 0.030761871771113173
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7313432835820896

indonesiaEarthquake2020
Information Type Precision (positive class, multi-type, macro): 0.16216276315018577
Information Type Recall (positive class, multi-type, macro): 0.26928582153045394
Information Type F1 (positive class, multi-type, macro): 0.17646092843851
Information Type Accuracy (overall, multi-type, macro): 0.8073649754500818
High Importance Information Type Precision (positive class, multi-type, macro): 0.23693939338111117
High Importance Information Type Recall (positive class, multi-type, macro): 0.3510132774283718
High Importance Information Type F1 (positive class, multi-type, macro): 0.2637543202716132
High Importance Information Type Accuracy (overall, multi-type, macro): 0.7953900709219858
Low Importance Information Type Precision (positive class, multi-type, macro): 0.09806850866653538
Low Importance Information Type Recall (positive class, multi-type, macro): 0.19923371647509583
Low Importance Information Type F1 (positive class, multi-type, macro): 0.10163802115299296
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8176291793313071

keralaFloods2020
Information Type Precision (positive class, multi-type, macro): 0.12449655545512317
Information Type Recall (positive class, multi-type, macro): 0.2671926606304085
Information Type F1 (positive class, multi-type, macro): 0.11586403321180855
Information Type Accuracy (overall, multi-type, macro): 0.6862089317332283
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): 0.6526001705029837
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2312078887023716
Low Importance Information Type Recall (positive class, multi-type, macro): 0.49621494117075854
Low Importance Information Type F1 (positive class, multi-type, macro): 0.21517606167907302
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7150164413591523

myanmarFloods2020
Information Type Precision (positive class, multi-type, macro): 0.09610253776355471
Information Type Recall (positive class, multi-type, macro): 0.2234393513463281
Information Type F1 (positive class, multi-type, macro): 0.10320220397229435
Information Type Accuracy (overall, multi-type, macro): 0.7594108019639936
High Importance Information Type Precision (positive class, multi-type, macro): 0.03261952861952862
High Importance Information Type Recall (positive class, multi-type, macro): 0.24169435215946844
High Importance Information Type F1 (positive class, multi-type, macro): 0.05216852414381648

  High Importance Information Type Accuracy (overall, multi-type, macro): 0.7127659574468085
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.15051654560129135
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.2077922077922078
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.14694535811098966
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7993920972644376

papuaNewguineaEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.15301720668952307
  Information Type Recall (positive class, multi-type, macro): 0.18725533725533727
  Information Type F1 (positive class, multi-type, macro): 0.14373588612260374
  Information Type Accuracy (overall, multi-type, macro): 0.7855790741696781
  High Importance Information Type Precision (positive class, multi-type, macro): 0.051028806584362145
  High Importance Information Type Recall (positive class, multi-type, macro): 0.15656565656565657
  High Importance Information Type F1 (positive class, multi-type, macro): 0.07697082557417752
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.7140193885160327
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.2404358353510896
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.2135607778464921
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.20096308087839768
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8469159475870885

siberianWildfires2020
  Information Type Precision (positive class, multi-type, macro): 0.09220356910003527
  Information Type Recall (positive class, multi-type, macro): 0.24866004962779156
  Information Type F1 (positive class, multi-type, macro): 0.12104053057075138
  Information Type Accuracy (overall, multi-type, macro): 0.8125608568646544
  High Importance Information Type Precision (positive class, multi-type, macro): 0.05819007824111725
  High Importance Information Type Recall (positive class, multi-type, macro): 0.2976190476190476
  High Importance Information Type F1 (positive class, multi-type, macro): 0.08442455705356683
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.810126582278481
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.12135798983625071
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.20669519420671495
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.15242565072833814
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8146473779385172

typhoonKrosa2020
  Information Type Precision (positive class, multi-type, macro): 0.009644729545024187
  Information Type Recall (positive class, multi-type, macro): 0.32820512820512826
  Information Type F1 (positive class, multi-type, macro): 0.018299475647185967
  Information Type Accuracy (overall, multi-type, macro): 0.7051832287883789
  High Importance Information Type Precision (positive class, multi-type, macro): 0.005256355457857565
  High Importance Information Type Recall (positive class, multi-type, macro): 0.13888888888888887
  High Importance Information Type F1 (positive class, multi-type, macro): 0.009767463535113473
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.6841917024320457
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.013406193048309865
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.4904761904761905
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.025612628886105247
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7231759656652361

typhoonLekima2020
  Information Type Precision (positive class, multi-type, macro): 0.03558822892112912
  Information Type Recall (positive class, multi-type, macro): 0.27565475630041114
  Information Type F1 (positive class, multi-type, macro): 0.05955626912822509
  Information Type Accuracy (overall, multi-type, macro): 0.7831720518287683
  High Importance Information Type Precision (positive class, multi-type, macro): 0.02876652844543931
  High Importance Information Type Recall (positive class, multi-type, macro): 0.31782945736434104
  High Importance Information Type F1 (positive class, multi-type, macro): 0.04914934808173243
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.7864250177683013
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.04143540075743466
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.2395050125313283
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.06847648716807596
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7803837953091685

whaleyBridgeCollapse2020
  Information Type Precision (positive class, multi-type, macro): 0.1965919820939228
  Information Type Recall (positive class, multi-type, macro): 0.4074924873419379
  Information Type F1 (positive class, multi-type, macro): 0.23630339723497093
  Information Type Accuracy (overall, multi-type, macro): 0.7175824175824176
  High Importance Information Type Precision (positive class, multi-type, macro): 0.16867388221554888
  High Importance Information Type Recall (positive class, multi-type, macro): 0.36484780234780234
  High Importance Information Type F1 (positive class, multi-type, macro): 0.214233673885711
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.6968253968253969
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.22052178198967187
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.4440450744797683
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.25522030296290804
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7353741496598639

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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	0.91	0.95	12219
Request-GoodsServices	0.00	0.25	0.00	8
avg / total	1.00	0.91	0.95	12227

Request-SearchAndRescue

	precision	recall	f1-score	support
Other Classes	1.00	0.85	0.92	12219
Request-SearchAndRescue	0.00	0.62	0.01	8
avg / total	1.00	0.85	0.92	12227

Request-InformationWanted

	precision	recall	f1-score	support
Other Classes	1.00	0.90	0.95	12199
Request-InformationWanted	0.00	0.00	0.00	28
avg / total	1.00	0.90	0.94	12227

CallToAction-Volunteer

	precision	recall	f1-score	support
Other Classes	1.00	0.92	0.96	12217
CallToAction-Volunteer	0.01	1.00	0.02	10
avg / total	1.00	0.92	0.96	12227

CallToAction-MovePeople

	precision	recall	f1-score	support
Other Classes	1.00	0.94	0.97	12112

CallToAction-MovePeople	0.08	0.57	0.15	115
avg / total	0.99	0.94	0.96	12227

Report-FirstPartyObservation

	precision	recall	f1-score	support
Other Classes	1.00	0.69	0.82	12190
Report-FirstPartyObservation	0.01	0.57	0.01	37
avg / total	1.00	0.69	0.81	12227

Report-Location

	precision	recall	f1-score	support
Other Classes	0.76	0.76	0.76	8789
Report-Location	0.39	0.39	0.39	3438
avg / total	0.66	0.66	0.66	12227

Report-EmergingThreats

	precision	recall	f1-score	support
Other Classes	0.98	0.69	0.81	11422
Report-EmergingThreats	0.16	0.84	0.27	805
avg / total	0.93	0.70	0.77	12227

Report-NewSubEvent

	precision	recall	f1-score	support
Other Classes	0.99	0.61	0.75	11831
Report-NewSubEvent	0.06	0.75	0.11	396
avg / total	0.96	0.61	0.73	12227

Report-MultimediaShare

	precision	recall	f1-score	support
Other Classes	0.91	0.48	0.63	9860
Report-MultimediaShare	0.27	0.80	0.40	2367

	precision	recall	f1-score	support
avg / total	0.78	0.54	0.58	12227

Report-ServiceAvailable

	precision	recall	f1-score	support
Other Classes	1.00	0.87	0.93	12188
Report-ServiceAvailable	0.01	0.54	0.03	39
avg / total	1.00	0.87	0.93	12227

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.99	0.86	0.92	12087
Other-Advice	0.03	0.41	0.06	140
avg / total	0.98	0.86	0.91	12227

Other-Any

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	12227
avg / total	1.00	1.00	1.00	12227