TREC-IS 2020-A Task 2 Notebook Evaluator v2.4
Run: sc-rf-025 (sc-rf-025.2020A.task2.run)


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EVALUATON: Alertng Performance
Overall performance
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> High Importance Alert Worth:  -0.7405437352245864
> Low Importance Alert Worth:   -0.0014008135670356677
> Accumulated Alert Worth:      -0.37097227439581104


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EVALUATON: nDCG and Priority
Overall performance
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> nDCG: 0.3701329306405612


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EVALUATON: Information Type Categorization
Overall performance
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> Information Type Precision (positive class, multi-type, macro):      0.05624200022500196
> Information Type Recall (positive class, multi-type, macro):  0.004044249724510145
> Information Type F1 (positive class, multi-type, macro):      0.007463999464243866
> Information Type Accuracy (overall, multi-type, macro):       0.8753263584375061
> High Importance Information Type Precision (positive class, multi-type, macro):      0.005376344086021505
> High Importance Information Type Recall (positive class, multi-type, macro):  0.00020703933747412008
> High Importance Information Type F1 (positive class, multi-type, macro):      0.0003987240829346093
> High Importance Information Type Accuracy (overall, multi-type, macro):       0.980848395627164
> Low Importance Information Type Precision (positive class, multi-type, macro):      0.09984113405841377
> Low Importance Information Type Recall (positive class, multi-type, macro):  0.007333287199112452
> Low Importance Information Type F1 (positive class, multi-type, macro):       0.013519949791080371
> Low Importance Information Type Accuracy (overall, multi-type, macro):       0.7848788979892277


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EVALUATON: Information Priority Level
Overall Performance
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> Priority Label Prediction (F1, macro): 0.0925060636657557
> Priority Label Prediction High Importance (F1, macro): 0.06765389703458963
> Priority Label Prediction Low Importance (F1, macro): 0.11380792077818376


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LATEX
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sc-rf-025 & 0.3701 & -0.7405 & -0.3710 & 0.0004 & 0.0075 & 0.8753 & 0.0677 & 0.0925 \\

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EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
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athensEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.0
  Information Type Recall (positive class, multi-type, macro): 0.0
  Information Type F1 (positive class, multi-type, macro): 0.0
  Information Type Accuracy (overall, multi-type, macro): 0.9074646283948611
  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): 0.9954193093727977
  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): 0.8320749018423437

baltimoreFlashFlood2020
  Information Type Precision (positive class, multi-type, macro): 0.0
  Information Type Recall (positive class, multi-type, macro): 0.0
  Information Type F1 (positive class, multi-type, macro): 0.0
  Information Type Accuracy (overall, multi-type, macro): 0.9229129079875348
  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): 0.9996446339729922
  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): 0.8571428571428571

brooklynBlockPartyShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.08846153846153845
  Information Type Recall (positive class, multi-type, macro): 0.007817046597763327
  Information Type F1 (positive class, multi-type, macro): 0.014318456902989881
  Information Type Accuracy (overall, multi-type, macro): 0.8296129757507628
  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): 0.9933890048712596
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.16428571428571428
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.014517372252988932
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.02659141996269549

  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6892335222189084

daytonOhioShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.0
  Information Type Recall (positive class, multi-type, macro): 0.0
  Information Type F1 (positive class, multi-type, macro): 0.0
  Information Type Accuracy (overall, multi-type, macro): 0.8793522267206478
  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): 0.9996491228070176
  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): 0.7762406015037594

elPasoWalmartShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.015384615384615385
  Information Type Recall (positive class, multi-type, macro): 0.00338123415046492
  Information Type F1 (positive class, multi-type, macro): 0.005544005544005545
  Information Type Accuracy (overall, multi-type, macro): 0.8906972759979441
  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): 0.9988864142538976
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.028571428571428574
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.006279434850863423
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.010296010296010297
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7979637289214127

gilroygarlicShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.09914529914529914
  Information Type Recall (positive class, multi-type, macro): 0.010636612578360152
  Information Type F1 (positive class, multi-type, macro): 0.019086176980913822
  Information Type Accuracy (overall, multi-type, macro): 0.8739770867430443
  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): 0.999645390070922
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1841269841269841
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.019753709074097424
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.03544575725026853
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7662613981762918

hurricaneBarry2020
  Information Type Precision (positive class, multi-type, macro): 0.01824457593688363
  Information Type Recall (positive class, multi-type, macro): 0.014102564102564105

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   Information Type F1 (positive class, multi-type, macro): 0.015734265734265736
   Information Type Accuracy (overall, multi-type, macro): 0.9101197310152531
   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): 0.9936034115138592
   Low Importance Information Type Precision (positive class, multi-type, macro): 0.03388278388278388
   Low Importance Information Type Recall (positive class, multi-type, macro): 0.02619047619047619
   Low Importance Information Type F1 (positive class, multi-type, macro): 0.029220779220779224
   Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8385622905878769

indonesiaEarthquake2020
   Information Type Precision (positive class, multi-type, macro): 0.0
   Information Type Recall (positive class, multi-type, macro): 0.0
   Information Type F1 (positive class, multi-type, macro): 0.0
   Information Type Accuracy (overall, multi-type, macro): 0.8273322422258592
   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): 0.8804964539007093
   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): 0.7817629179331307

keralaFloods2020
   Information Type Precision (positive class, multi-type, macro): 0.08461538461538462
   Information Type Recall (positive class, multi-type, macro): 0.001612186386175284
   Information Type F1 (positive class, multi-type, macro): 0.003155409152787348
   Information Type Accuracy (overall, multi-type, macro): 0.8103482195553807
   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): 1.0
   Low Importance Information Type Precision (positive class, multi-type, macro): 0.15714285714285717
   Low Importance Information Type Recall (positive class, multi-type, macro): 0.0029940604314683847
   Low Importance Information Type F1 (positive class, multi-type, macro): 0.005860045569462217
   Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6477895506028498

myanmarFloods2020
   Information Type Precision (positive class, multi-type, macro): 0.0
   Information Type Recall (positive class, multi-type, macro): 0.0
   Information Type F1 (positive class, multi-type, macro): 0.0
   Information Type Accuracy (overall, multi-type, macro): 0.8767594108019641
   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
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  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9670212765957448
  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): 0.7993920972644377

papuaNewguineaEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.006993006993006993
  Information Type Recall (positive class, multi-type, macro): 0.0005827505827505828
  Information Type F1 (positive class, multi-type, macro): 0.0010758472296933837
  Information Type Accuracy (overall, multi-type, macro): 0.7893649974186888
  High Importance Information Type Precision (positive class, multi-type, macro): 0.015151515151515152
  High Importance Information Type Recall (positive class, multi-type, macro): 0.0012626262626262627
  High Importance Information Type F1 (positive class, multi-type, macro): 0.0023310023310023314
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.947054436987323
  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): 0.6542026206455737

siberianWildfires2020
  Information Type Precision (positive class, multi-type, macro): 0.07692307692307693
  Information Type Recall (positive class, multi-type, macro): 0.00043956043956043956
  Information Type F1 (positive class, multi-type, macro): 0.000874125874125874
  Information Type Accuracy (overall, multi-type, macro): 0.86222005842259
  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): 0.9729254571026723
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.14285714285714285
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.0008163265306122449
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.0016233766233766233
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7673297166968053

typhoonKrosa2020
  Information Type Precision (positive class, multi-type, macro): 0.005698005698005697
  Information Type Recall (positive class, multi-type, macro): 0.010256410256410256
  Information Type F1 (positive class, multi-type, macro): 0.007326007326007326
  Information Type Accuracy (overall, multi-type, macro): 0.9062396830637175
  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): 0.9946351931330472
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.010582010582010581
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.019047619047619046
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.013605442176870748
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8304721030042919

typhoonLekima2020
  Information Type Precision (positive class, multi-type, macro): 0.09763313609467456
  Information Type Recall (positive class, multi-type, macro): 0.036268556005398106
  Information Type F1 (positive class, multi-type, macro): 0.05174587989737792
  Information Type Accuracy (overall, multi-type, macro): 0.9027390519927834
  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): 0.9840085287846482
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1813186813186813
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.06735588972431077
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.09609949123798756
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8330795004568993

whaleyBridgeCollapse2020
  Information Type Precision (positive class, multi-type, macro): 0.057692307692307696
  Information Type Recall (positive class, multi-type, macro): 0.002652519893899204
  Information Type F1 (positive class, multi-type, macro): 0.00507185122569738
  Information Type Accuracy (overall, multi-type, macro): 0.7820512820512822
  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): 0.888888888888889
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.10714285714285714
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.0049261083743842365
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.009419152276295134
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6904761904761906

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

|  | precision | recall | f1-score | support |
|---|---|---|---|---|
| Other Classes | 1.00 | 1.00 | 1.00 | 12219 |
| Request-GoodsServices | 0.00 | 0.00 | 0.00 | 8 |
| avg / total | 1.00 | 1.00 | 1.00 | 12227 |


Request-SearchAndRescue

|  | precision | recall | f1-score | support |
|---|---|---|---|---|
| Other Classes | 1.00 | 1.00 | 1.00 | 12219 |
| Request-SearchAndRescue | 0.00 | 0.00 | 0.00 | 8 |
| avg / total | 1.00 | 1.00 | 1.00 | 12227 |


Request-InformationWanted

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


CallToAction-Volunteer

|  | precision | recall | f1-score | support |
|---|---|---|---|---|
| Other Classes | 1.00 | 1.00 | 1.00 | 12217 |
| CallToAction-Volunteer | 0.00 | 0.00 | 0.00 | 10 |
| avg / total | 1.00 | 1.00 | 1.00 | 12227 |


CallToAction-MovePeople

|  | precision | recall | f1-score | support |
|---|---|---|---|---|
| Other Classes | 0.99 | 1.00 | 1.00 | 12112 |

| CallToAction-MovePeople | 0.00 | 0.00 | 0.00 | 115 |
|---|---|---|---|---|
| avg / total | 0.98 | 0.99 | 0.99 | 12227 |

Report-FirstPartyObservation

| | precision | recall | f1-score | support |
|---|---|---|---|---|
| Other Classes | 1.00 | 1.00 | 1.00 | 12190 |
| Report-FirstPartyObservation | 0.00 | 0.00 | 0.00 | 37 |
| avg / total | 0.99 | 0.99 | 0.99 | 12227 |

Report-Location

| | precision | recall | f1-score | support |
|---|---|---|---|---|
| Other Classes | 0.72 | 0.99 | 0.83 | 8789 |
| Report-Location | 0.41 | 0.02 | 0.04 | 3438 |
| avg / total | 0.63 | 0.72 | 0.61 | 12227 |

Report-EmergingThreats

| | precision | recall | f1-score | support |
|---|---|---|---|---|
| Other Classes | 0.93 | 1.00 | 0.96 | 11422 |
| Report-EmergingThreats | 0.03 | 0.00 | 0.00 | 805 |
| avg / total | 0.87 | 0.93 | 0.90 | 12227 |

Report-NewSubEvent

| | precision | recall | f1-score | support |
|---|---|---|---|---|
| Other Classes | 0.97 | 1.00 | 0.98 | 11831 |
| Report-NewSubEvent | 0.00 | 0.00 | 0.00 | 396 |
| avg / total | 0.94 | 0.97 | 0.95 | 12227 |

Report-MultimediaShare

| | precision | recall | f1-score | support |
|---|---|---|---|---|
| Other Classes | 0.81 | 0.98 | 0.89 | 9860 |
| Report-MultimediaShare | 0.29 | 0.03 | 0.06 | 2367 |

|            | precision | recall | f1-score | support |
|------------|-----------|--------|----------|---------|
| avg / total | 0.71 | 0.80 | 0.73 | 12227 |

Report-ServiceAvailable

|            | precision | recall | f1-score | support |
|------------|-----------|--------|----------|---------|
| Other Classes | 1.00 | 1.00 | 1.00 | 12188 |
| Report-ServiceAvailable | 0.00 | 0.00 | 0.00 | 39 |
| avg / total | 0.99 | 1.00 | 1.00 | 12227 |

Other-Advice

|            | precision | recall | f1-score | support |
|------------|-----------|--------|----------|---------|
| Other Classes | 0.99 | 1.00 | 0.99 | 12087 |
| Other-Advice | 0.00 | 0.00 | 0.00 | 140 |
| avg / total | 0.98 | 0.99 | 0.98 | 12227 |

Other-Any

|            | precision | recall | f1-score | support |
|------------|-----------|--------|----------|---------|
| Other Classes | 1.00 | 0.00 | 0.00 | 12227 |
| Other-Any | 0.00 | 0.00 | 0.00 | 0 |
| avg / total | 1.00 | 0.00 | 0.00 | 12227 |