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TREC-IS 2019-B Notebook Evaluator v2.3
Run: Informedia-nb (Informedia-nb)


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EVALUATON: Alertng Performance
Overall performance
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> High Importance Alert Worth:  -0.919724770642202
> Low Importance Alert Worth:   -0.0020141696645617534
> Accumulated Alert Worth:      -0.4608694701533819


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EVALUATON: Information Type Categorization
Overall performance
--------------------------------------------------
> Information Type Precision (positive class, multi-type, macro):      0.2798473107206159
> Information Type Recall (positive class, multi-type, macro):  0.21485718867356612
> Information Type F1 (positive class, multi-type, macro):      0.21674645193374498
> Information Type Accuracy (overall, multi-type, macro):       0.8605118237771299
> High Importance Information Type Precision (positive class, multi-type, macro):      0.15190881051616062
> High Importance Information Type Recall (positive class, multi-type, macro):  0.12291302750994203
> High Importance Information Type F1 (positive class, multi-type, macro):      0.13211208755730405
> High Importance Information Type Accuracy (overall, multi-type, macro):       0.9663103336572725
> Low Importance Information Type Precision (positive class, multi-type, macro):      0.32024894236412815
> Low Importance Information Type Recall (positive class, multi-type, macro):  0.2438921869357632
> Low Importance Information Type F1 (positive class, multi-type, macro):      0.243473093331577888
> Low Importance Information Type Accuracy (overall, multi-type, macro):       0.827101768025506


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EVALUATON: Information Priority Level
Overall Performance
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> Priority Estimation Error (mean squared error, macro): 0.054392935543815135
> Priority Estimation Error High Importance (mean squared error, macro): 0.07875951779031075
> Priority Estimation Error Low Importance (mean squared error, macro): 0.046698225360711276


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LATEX
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Informedia-nb & -0.9197 & -0.4609 & 0.1321 & 0.0995 & 0.8605 & 0.0788 & 0.0544 \\
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Run: Informedia-nb (Informedia-nb)


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EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
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albertaWildfires2019
  Information Type Precision (positive class, multi-type, macro): 0.32774731243598487
  Information Type Recall (positive class, multi-type, macro): 0.22019636046628877
  Information Type F1 (positive class, multi-type, macro): 0.23573194511800952
  Information Type Accuracy (overall, multi-type, macro): 0.8716600000000001
  High Importance Information Type Precision (positive class, multi-type, macro): 0.15509613652028512
  High Importance Information Type Recall (positive class, multi-type, macro): 0.17033166198262648
  High Importance Information Type F1 (positive class, multi-type, macro): 0.15086644252514536
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9646666666666667
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.3822687364093637
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.2359431073558664
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.262531577751575606
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8422894736842105

cycloneKenneth2019
  Information Type Precision (positive class, multi-type, macro): 0.2550990958402883
  Information Type Recall (positive class, multi-type, macro): 0.1786338004800571
  Information Type F1 (positive class, multi-type, macro): 0.16957377504024393
  Information Type Accuracy (overall, multi-type, macro): 0.8409404702351176
  High Importance Information Type Precision (positive class, multi-type, macro): 0.13643018437182064
  High Importance Information Type Recall (positive class, multi-type, macro): 0.06743151701616602
  High Importance Information Type F1 (positive class, multi-type, macro): 0.08298781108726119
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9372186093046523
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.2925734889355939
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.21375031104760167
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.196916711102539637
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8105368473710539

philippinesEarthquake2019
  Information Type Precision (positive class, multi-type, macro): 0.17323343369776098
  Information Type Recall (positive class, multi-type, macro): 0.20093943485518836
  Information Type F1 (positive class, multi-type, macro): 0.1544585013815323
  Information Type Accuracy (overall, multi-type, macro): 0.8857543859649123
  High Importance Information Type Precision (positive class, multi-type, macro): 0.05000000000000001
  High Importance Information Type Recall (positive class, multi-type, macro): 0.06262626262626263
  High Importance Information Type F1 (positive class, multi-type, macro): 0.05436781609195402
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9707602339181287
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.21214925486547498
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.24461727871695435
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.186066086620982015
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8589104339796861

coloradoStemShooting2019
  Information Type Precision (positive class, multi-type, macro): 0.15611331747546303
  Information Type Recall (positive class, multi-type, macro): 0.14005064480711327
  Information Type F1 (positive class, multi-type, macro): 0.073927222286772385
  Information Type Accuracy (overall, multi-type, macro): 0.8492332526230831
  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): 0.997847726661286
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.20541225983613556
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.18427716421988588
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.09727266616680577
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8023023660847034

southAfricaFloods2019
  Information Type Precision (positive class, multi-type, macro): 0.227990819481455
  Information Type Recall (positive class, multi-type, macro): 0.19727993750953943
  Information Type F1 (positive class, multi-type, macro): 0.17501403461563877
  Information Type Accuracy (overall, multi-type, macro): 0.880355819125278
  High Importance Information Type Precision (positive class, multi-type, macro): 0.08333333333333333
  High Importance Information Type Recall (positive class, multi-type, macro): 0.051799082347259114
  High Importance Information Type F1 (positive class, multi-type, macro): 0.06300360678382319
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9693600197677292
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.2736721308966513
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.24322126019236476
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.21038574866779106
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8522492294487144

sandiegoSynagogueShooting2019
  Information Type Precision (positive class, multi-type, macro): 0.23902716264987497
  Information Type Recall (positive class, multi-type, macro): 0.15136299752365892
  Information Type F1 (positive class, multi-type, macro): 0.0994667356513713
  Information Type Accuracy (overall, multi-type, macro): 0.7922827687776142
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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): 0.980117820324006
Low Importance Information Type Precision (positive class, multi-type, macro): 0.3145094245393092
Low Importance Information Type Recall (positive class, multi-type, macro): 0.19916183884691963
Low Importance Information Type F1 (positive class, multi-type, macro): 0.13087728375180435
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7329664367103326
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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	9223
Request-GoodsServices	0.12	0.05	0.07	38
micro avg	0.99	0.99	0.99	9261
macro avg	0.56	0.53	0.54	9261
weighted avg	0.99	0.99	0.99	9261

Request-SearchAndRescue

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	9252
Request-SearchAndRescue	0.00	0.00	0.00	9
micro avg	1.00	1.00	1.00	9261
macro avg	0.50	0.50	0.50	9261
weighted avg	1.00	1.00	1.00	9261

Request-InformationWanted

	precision	recall	f1-score	support
Other Classes	1.00	0.99	1.00	9228
Request-InformationWanted	0.09	0.15	0.11	33
micro avg	0.99	0.99	0.99	9261
macro avg	0.54	0.57	0.55	9261
weighted avg	0.99	0.99	0.99	9261

CallToAction-Volunteer

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	9237
CallToAction-Volunteer	0.00	0.00	0.00	24
micro avg	1.00	1.00	1.00	9261
macro avg	0.50	0.50	0.50	9261
weighted avg	0.99	1.00	1.00	9261

CallToAction-Donations

	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	9155
CallToAction-Donations	0.32	0.43	0.37	106
micro avg	0.98	0.98	0.98	9261
macro avg	0.66	0.71	0.68	9261
weighted avg	0.99	0.98	0.98	9261

CallToAction-MovePeople

	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	9158
CallToAction-MovePeople	0.29	0.34	0.31	103
micro avg	0.98	0.98	0.98	9261
macro avg	0.64	0.67	0.65	9261
weighted avg	0.98	0.98	0.98	9261

Report-FirstPartyObservation

	precision	recall	f1-score	support
Other Classes	0.97	0.94	0.95	8942
Report-FirstPartyObservation	0.08	0.16	0.11	319
micro avg	0.91	0.91	0.91	9261
macro avg	0.52	0.55	0.53	9261
weighted avg	0.94	0.91	0.92	9261

Report-ThirdPartyObservation

	precision	recall	f1-score	support
Other Classes	0.84	0.92	0.87	7785
Report-ThirdPartyObservation	0.12	0.06	0.08	1476
micro avg	0.78	0.78	0.78	9261
macro avg	0.48	0.49	0.48	9261
weighted avg	0.72	0.78	0.75	9261

Report-Weather

	precision	recall	f1-score	support
Other Classes	0.91	0.97	0.94	8123
Report-Weather	0.62	0.34	0.44	1138
micro avg	0.89	0.89	0.89	9261
macro avg	0.77	0.65	0.69	9261
weighted avg	0.88	0.89	0.88	9261

Report-Location

	precision	recall	f1-score	support
Other Classes	0.49	0.95	0.65	4351
Report-Location	0.76	0.14	0.23	4910
micro avg	0.52	0.52	0.52	9261
macro avg	0.63	0.54	0.44	9261
weighted avg	0.64	0.52	0.43	9261

Report-EmergingThreats

	precision	recall	f1-score	support
Other Classes	0.94	0.96	0.95	8621
Report-EmergingThreats	0.17	0.10	0.13	640
micro avg	0.90	0.90	0.90	9261
macro avg	0.55	0.53	0.54	9261
weighted avg	0.88	0.90	0.89	9261

Report-NewSubEvent

	precision	recall	f1-score	support
Other Classes	0.98	0.99	0.98	9051
Report-NewSubEvent	0.00	0.00	0.00	210
micro avg	0.97	0.97	0.97	9261
macro avg	0.49	0.49	0.49	9261
weighted avg	0.95	0.97	0.96	9261

Report-MultimediaShare

	precision	recall	f1-score	support
Other Classes	0.64	0.95	0.76	5719
Report-MultimediaShare	0.59	0.13	0.21	3542
micro avg	0.63	0.63	0.63	9261
macro avg	0.61	0.54	0.49	9261
weighted avg	0.62	0.63	0.55	9261

Report-ServiceAvailable

	precision	recall	f1-score	support
Other Classes	0.97	0.98	0.98	8916
Report-ServiceAvailable	0.32	0.24	0.28	345
micro avg	0.95	0.95	0.95	9261
macro avg	0.65	0.61	0.63	9261
weighted avg	0.95	0.95	0.95	9261

Report-Factoid

	precision	recall	f1-score	support

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Other Classes           0.75      0.86      0.80      6019
Report-Factoid          0.64      0.46      0.54      3242

   micro avg            0.72      0.72      0.72      9261
   macro avg            0.70      0.66      0.67      9261
weighted avg            0.71      0.72      0.71      9261


Report-Official
                     precision    recall  f1-score   support

Other Classes           0.93      0.95      0.94      8486
Report-Official         0.31      0.22      0.26       775

   micro avg            0.89      0.89      0.89      9261
   macro avg            0.62      0.59      0.60      9261
weighted avg            0.88      0.89      0.88      9261


Report-News
                     precision    recall  f1-score   support

Other Classes           0.75      0.79      0.77      6421
 Report-News            0.45      0.39      0.42      2840

   micro avg            0.67      0.67      0.67      9261
   macro avg            0.60      0.59      0.59      9261
weighted avg            0.66      0.67      0.66      9261


Report-CleanUp
                     precision    recall  f1-score   support

Other Classes           0.99      1.00      1.00      9201
Report-CleanUp          0.00      0.00      0.00        60

   micro avg            0.99      0.99      0.99      9261
   macro avg            0.50      0.50      0.50      9261
weighted avg            0.99      0.99      0.99      9261


Report-Hashtags
                     precision    recall  f1-score   support

Other Classes           0.80      0.90      0.84      6757
Report-Hashtags         0.58      0.38      0.46      2504

   micro avg            0.76      0.76      0.76      9261
   macro avg            0.69      0.64      0.65      9261
weighted avg            0.74      0.76      0.74      9261


Report-OriginalEvent
                         precision    recall  f1-score   support

     Other Classes           0.92      0.94      0.93      8321
Report-OriginalEvent         0.34      0.29      0.31       940

        micro avg            0.87      0.87      0.87      9261
        macro avg            0.63      0.61      0.62      9261
     weighted avg            0.86      0.87      0.87      9261


Other-ContextualInformation
                              precision    recall  f1-score   support

            Other Classes        0.97      0.84      0.90      9014
Other-ContextualInformation      0.03      0.20      0.06       247

                micro avg        0.82      0.82      0.82      9261
                macro avg        0.50      0.52      0.48      9261
             weighted avg        0.95      0.82      0.88      9261


Other-Advice
                     precision    recall  f1-score   support

Other Classes           0.98      0.96      0.97      8946
 Other-Advice           0.23      0.37      0.28       315

   micro avg            0.94      0.94      0.94      9261
   macro avg            0.60      0.66      0.63      9261
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	precision	recall	f1-score	support
weighted avg	0.95	0.94	0.94	9261

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.95	0.87	0.91	8481
Other-Sentiment	0.27	0.51	0.35	780
micro avg	0.84	0.84	0.84	9261
macro avg	0.61	0.69	0.63	9261
weighted avg	0.89	0.84	0.86	9261

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.95	0.85	0.90	8805
Other-Discussion	0.06	0.20	0.09	456
micro avg	0.81	0.81	0.81	9261
macro avg	0.51	0.52	0.49	9261
weighted avg	0.91	0.81	0.86	9261

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.71	0.93	0.80	6224
Other-Irrelevant	0.58	0.21	0.30	3037
micro avg	0.69	0.69	0.69	9261
macro avg	0.64	0.57	0.55	9261
weighted avg	0.66	0.69	0.64	9261