

UCD_CS_R4

Task 2

TREC-IS 2020-A Task 2 Notebook Evaluator v2.4
Run: UCD_CS_R4 (UCD_CS_R4.2020A.task1.run)

EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.4488179669030713
> Low Importance Alert Worth: -0.0414351576890201
> Accumulated Alert Worth: -0.2451265622960457

EVALUATOR: nDCG and Priority
Overall performance

> nDCG: 0.4762090365102623

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.19974927797089628
> Information Type Recall (positive class, multi-type, macro): 0.16686030368974206
> Information Type F1 (positive class, multi-type, macro): 0.1648186628507253
> Information Type Accuracy (overall, multi-type, macro): 0.9336399267698852
> High Importance Information Type Precision (positive class, multi-type, macro): 0.21359439233526825
> High Importance Information Type Recall (positive class, multi-type, macro): 0.13961505483244613
> High Importance Information Type F1 (positive class, multi-type, macro): 0.15092989795091047
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9720563779613425
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.18788203708714898
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.19021337413885284
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.17672331847913794
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9007115400343502

EVALUATOR: Information Priority Level
Overall Performance

> Priority Label Prediction (F1, macro): 0.2089384992186491
> Priority Label Prediction High Importance (F1, macro): 0.1815915989446836
> Priority Label Prediction Low Importance (F1, macro): 0.23237869945347653

LATEX

UCD_CS_R4 & 0.4762 & -0.4488 & -0.2451 & 0.1509 & 0.1648 & 0.9336 & 0.1816 & 0.2089 \\

TREC-IS 2020-A Task 2 Notebook Evaluator v2.4

Run: UCD_CS_R4 (UCD_CS_R4.2020A.task1.run)

EVALUATOR: Information Type Categorization (Multi-type)Per Event Performance

athensEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.0536109573879358
Information Type Recall (positive class, multi-type, macro): 0.08741258741258742
Information Type F1 (positive class, multi-type, macro): 0.0638895987733197
Information Type Accuracy (overall, multi-type, macro): 0.9614571475036592
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): 0.9911909795630726
Low Importance Information Type Precision (positive class, multi-type, macro): 0.09956320657759507
Low Importance Information Type Recall (positive class, multi-type, macro): 0.16233766233766236
Low Importance Information Type F1 (positive class, multi-type, macro): 0.11865211200759374
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9359710057384476

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): 0.9901590946367068
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): 0.997867803837953
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): 0.9835516296070667

brooklynBlockPartyShooting2020

Information Type Precision (positive class, multi-type, macro): 0.1571352114046611
Information Type Recall (positive class, multi-type, macro): 0.0866105805258934
Information Type F1 (positive class, multi-type, macro): 0.10880356625037474
Information Type Accuracy (overall, multi-type, macro): 0.9240404689256464
High Importance Information Type Precision (positive class, multi-type, macro): 0.11111111111111111
High Importance Information Type Recall (positive class, multi-type, macro): 0.037037037037037035
High Importance Information Type F1 (positive class, multi-type, macro): 0.05555555555555555
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9923451635351427
Low Importance Information Type Precision (positive class, multi-type, macro): 0.19658444022770397
Low Importance Information Type Recall (positive class, multi-type, macro): 0.12910218923062744
Low Importance Information Type F1 (positive class, multi-type, macro): 0.15444471827450548

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8654935878317925

daytonOhioShooting2020

Information Type Precision (positive class, multi-type, macro): 0.07441317873303167

Information Type Recall (positive class, multi-type, macro): 0.05741758241758242

Information Type F1 (positive class, multi-type, macro): 0.06400078168893666

Information Type Accuracy (overall, multi-type, macro): 0.9554655870445343

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): 0.9968421052631579

Low Importance Information Type Precision (positive class, multi-type, macro): 0.13819590336134452

Low Importance Information Type Recall (positive class, multi-type, macro): 0.10663265306122449

Low Importance Information Type F1 (positive class, multi-type, macro): 0.11885859456516809

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9199999999999999

elPasoWalmartShooting2020

Information Type Precision (positive class, multi-type, macro): 0.05675590027585705

Information Type Recall (positive class, multi-type, macro): 0.05885059439100335

Information Type F1 (positive class, multi-type, macro): 0.05632872855076522

Information Type Accuracy (overall, multi-type, macro): 0.9553709097138943

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): 0.9922048997772829

Low Importance Information Type Precision (positive class, multi-type, macro): 0.10540381479802023

Low Importance Information Type Recall (positive class, multi-type, macro): 0.10929396101186337

Low Importance Information Type F1 (positive class, multi-type, macro): 0.10461049587999256

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9237989182309896

gilroygarlicShooting2020

Information Type Precision (positive class, multi-type, macro): 0.11728271728271727

Information Type Recall (positive class, multi-type, macro): 0.050207074478919145

Information Type F1 (positive class, multi-type, macro): 0.06902989365861888

Information Type Accuracy (overall, multi-type, macro): 0.9587561374795418

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): 0.9925531914893617

Low Importance Information Type Precision (positive class, multi-type, macro): 0.21781076066790353

Low Importance Information Type Recall (positive class, multi-type, macro): 0.09324170974656412

Low Importance Information Type F1 (positive class, multi-type, macro): 0.12819837393743505

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9297872340425533

hurricaneBarry2020

Information Type Precision (positive class, multi-type, macro): 0.09068783980693097

Information Type Recall (positive class, multi-type, macro): 0.28919413919413917

Information Type F1 (positive class, multi-type, macro): 0.10922725890918836
Information Type Accuracy (overall, multi-type, macro): 0.921600787272429
High Importance Information Type Precision (positive class, multi-type, macro): 0.1434981684981685
High Importance Information Type Recall (positive class, multi-type, macro): 0.2111111111111111
High Importance Information Type F1 (positive class, multi-type, macro): 0.15899198167239403
High Importance Information Type Accuracy (overall, multi-type, macro): 0.959132906894101
Low Importance Information Type Precision (positive class, multi-type, macro): 0.045421843785870254
Low Importance Information Type Recall (positive class, multi-type, macro): 0.35612244897959183
Low Importance Information Type F1 (positive class, multi-type, macro): 0.06657178225501208
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8894303990252818

indonesiaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.24764252676513976
Information Type Recall (positive class, multi-type, macro): 0.10943458785846555
Information Type F1 (positive class, multi-type, macro): 0.14350598745734514
Information Type Accuracy (overall, multi-type, macro): 0.9055646481178395
High Importance Information Type Precision (positive class, multi-type, macro): 0.3432059651817716
High Importance Information Type Recall (positive class, multi-type, macro): 0.1602244933612858
High Importance Information Type F1 (positive class, multi-type, macro): 0.21439034157230616
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8957446808510637
Low Importance Information Type Precision (positive class, multi-type, macro): 0.16573100812231248
Low Importance Information Type Recall (positive class, multi-type, macro): 0.06590038314176246
Low Importance Information Type F1 (positive class, multi-type, macro): 0.08274796964452137
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9139817629179331

keralaFloods2020

Information Type Precision (positive class, multi-type, macro): 0.13856619570905288
Information Type Recall (positive class, multi-type, macro): 0.09156063999442271
Information Type F1 (positive class, multi-type, macro): 0.07241713367800945
Information Type Accuracy (overall, multi-type, macro): 0.8496950619712768
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): 0.9445865302642796
Low Importance Information Type Precision (positive class, multi-type, macro): 0.25733722060252673
Low Importance Information Type Recall (positive class, multi-type, macro): 0.17004118856107073
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1344889625448747
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7683595177201317

myanmarFloods2020

Information Type Precision (positive class, multi-type, macro): 0.10434240918317352
Information Type Recall (positive class, multi-type, macro): 0.12766894122826325
Information Type F1 (positive class, multi-type, macro): 0.09817014077103761
Information Type Accuracy (overall, multi-type, macro): 0.9404255319148936
High Importance Information Type Precision (positive class, multi-type, macro): 0.03571428571428571
High Importance Information Type Recall (positive class, multi-type, macro): 0.07142857142857142
High Importance Information Type F1 (positive class, multi-type, macro): 0.047619047619047616

High Importance Information Type Accuracy (overall, multi-type, macro): 0.9613475177304965
Low Importance Information Type Precision (positive class, multi-type, macro): 0.1631665150136488
Low Importance Information Type Recall (positive class, multi-type, macro): 0.17587497248514197
Low Importance Information Type F1 (positive class, multi-type, macro): 0.14149964918702906
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9224924012158054

papuaNewguineaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.20683760683760682
Information Type Recall (positive class, multi-type, macro): 0.07941225441225441
Information Type F1 (positive class, multi-type, macro): 0.11103923240829247
Information Type Accuracy (overall, multi-type, macro): 0.8941662364481157
High Importance Information Type Precision (positive class, multi-type, macro): 0.07037037037037037
High Importance Information Type Recall (positive class, multi-type, macro): 0.02398989898989899
High Importance Information Type F1 (positive class, multi-type, macro): 0.035781544256120526
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9422073079791201
Low Importance Information Type Precision (positive class, multi-type, macro): 0.3238095238095238
Low Importance Information Type Recall (positive class, multi-type, macro): 0.12691713048855907
Low Importance Information Type F1 (positive class, multi-type, macro): 0.17554582225301127
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.852988175135826

siberianWildfires2020

Information Type Precision (positive class, multi-type, macro): 0.11994619053442582
Information Type Recall (positive class, multi-type, macro): 0.04674583481035093
Information Type F1 (positive class, multi-type, macro): 0.05624070686648909
Information Type Accuracy (overall, multi-type, macro): 0.9276209023044467
High Importance Information Type Precision (positive class, multi-type, macro): 0.06666666666666667
High Importance Information Type Recall (positive class, multi-type, macro): 0.014285714285714285
High Importance Information Type F1 (positive class, multi-type, macro): 0.023529411764705882
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9680028129395218
Low Importance Information Type Precision (positive class, multi-type, macro): 0.16561435384964796
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0745687952600395
Low Importance Information Type F1 (positive class, multi-type, macro): 0.08427895981087472
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8930078360458108

typhoonKrosa2020

Information Type Precision (positive class, multi-type, macro): 0.022494371215598837
Information Type Recall (positive class, multi-type, macro): 0.047008547008547015
Information Type F1 (positive class, multi-type, macro): 0.017700891059701455
Information Type Accuracy (overall, multi-type, macro): 0.9106965995378012
High Importance Information Type Precision (positive class, multi-type, macro): 0.04166666666666666
High Importance Information Type Recall (positive class, multi-type, macro): 0.018518518518518517
High Importance Information Type F1 (positive class, multi-type, macro): 0.025641025641025637
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9821173104434906
Low Importance Information Type Precision (positive class, multi-type, macro): 0.006060975114683555
Low Importance Information Type Recall (positive class, multi-type, macro): 0.07142857142857142
Low Importance Information Type F1 (positive class, multi-type, macro): 0.010895061418566443
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8494788473329246

typhoonLekima2020

Information Type Precision (positive class, multi-type, macro): 0.04492729492729493
Information Type Recall (positive class, multi-type, macro): 0.11459804475410351
Information Type F1 (positive class, multi-type, macro): 0.05616858237547892
Information Type Accuracy (overall, multi-type, macro): 0.9253731343283582
High Importance Information Type Precision (positive class, multi-type, macro): 0.041666666666666664
High Importance Information Type Recall (positive class, multi-type, macro): 0.031007751937984496
High Importance Information Type F1 (positive class, multi-type, macro): 0.035555555555555556
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9758351101634682
Low Importance Information Type Precision (positive class, multi-type, macro): 0.04772211915069058
Low Importance Information Type Recall (positive class, multi-type, macro): 0.18624686716791983
Low Importance Information Type F1 (positive class, multi-type, macro): 0.07383689107827039
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8821200121839781

whaleyBridgeCollapse2020

Information Type Precision (positive class, multi-type, macro): 0.2906078114173585
Information Type Recall (positive class, multi-type, macro): 0.1543075843345932
Information Type F1 (positive class, multi-type, macro): 0.18960139910366156
Information Type Accuracy (overall, multi-type, macro): 0.8875457875457875
High Importance Information Type Precision (positive class, multi-type, macro): 0.296078431372549
High Importance Information Type Recall (positive class, multi-type, macro): 0.13329238329238327
High Importance Information Type F1 (positive class, multi-type, macro): 0.16566113624937154
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9095238095238095
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2859187085986237
Low Importance Information Type Recall (positive class, multi-type, macro): 0.17232061379934457
Low Importance Information Type F1 (positive class, multi-type, macro): 0.2101216244073387
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8687074829931973

UCD_CS_R4**Task 2**

TREC-IS 2020-A Task 2 Notebook Evaluator v2.4

Run: UCD_CS_R4 (UCD_CS_R4.2020A.task1.run)

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

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	0.99	0.99	12227

CallToAction-Volunteer				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	12217
CallToAction-Volunteer	0.50	0.40	0.44	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

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CallToAction-MovePeople	0.84	0.32	0.47	115
avg / total	0.99	0.99	0.99	12227

Report-FirstPartyObservation				
	precision	recall	f1-score	support
Other Classes	1.00	0.97	0.98	12190
Report-FirstPartyObservation	0.01	0.08	0.01	37
avg / total	0.99	0.97	0.98	12227

Report-Location				
	precision	recall	f1-score	support
Other Classes	0.75	0.87	0.80	8789
Report-Location	0.42	0.25	0.31	3438
avg / total	0.66	0.69	0.67	12227

Report-EmergingThreats				
	precision	recall	f1-score	support
Other Classes	0.95	0.95	0.95	11422
Report-EmergingThreats	0.27	0.27	0.27	805
avg / total	0.90	0.90	0.90	12227

Report-NewSubEvent				
	precision	recall	f1-score	support
Other Classes	0.97	0.98	0.98	11831
Report-NewSubEvent	0.12	0.07	0.08	396
avg / total	0.94	0.95	0.95	12227

Report-MultimediaShare				
	precision	recall	f1-score	support
Other Classes	0.83	0.75	0.79	9860
Report-MultimediaShare	0.27	0.37	0.31	2367

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avg / total	0.72	0.68	0.70	12227
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Report-ServiceAvailable

precision	recall	f1-score	support
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Other Classes	1.00	0.99	0.99	12188
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Report-ServiceAvailable	0.06	0.18	0.09	39
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avg / total	0.99	0.99	0.99	12227
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Other-Advice

precision	recall	f1-score	support
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Other Classes	0.99	0.98	0.99	12087
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Other-Advice	0.12	0.23	0.15	140
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avg / total	0.98	0.97	0.98	12227
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Other-Any

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