

parameters

Gerbrich Ferdinands

1/14/2020

ASReview takes the following parameters/arguments:

- a model
- a query strategy
- a balance strategy
- feature extraction

configurations	
model	lstm_base, lstm_pool, nb, rf, svm, dense_nn
query_strategy	cluster, max, max * cluster, max * uncertainty, max * random, cluster * uncertainty, cluster * random
balance_strategy	triple
feature_extraction	doc2vec, tfidf, sbert, embeddingIdf, embeddingLSTM

This leads to 112 combinations of configurations:

	model	query_strategy	balance_strategy	feature_extraction
1	nb	cluster	triple	doc2vec
2	nb	max	triple	doc2vec
3	nb	max * cluster	triple	doc2vec
4	nb	max * uncertainty	triple	doc2vec
5	nb	max * random	triple	doc2vec
6	nb	cluster * uncertainty	triple	doc2vec
7	nb	cluster * random	triple	doc2vec
8	nb	cluster	triple	tfidf
9	nb	max	triple	tfidf
10	nb	max * cluster	triple	tfidf
11	nb	max * uncertainty	triple	tfidf
12	nb	max * random	triple	tfidf
13	nb	cluster * uncertainty	triple	tfidf
14	nb	cluster * random	triple	tfidf
15	nb	cluster	triple	sbert
16	nb	max	triple	sbert
17	nb	max * cluster	triple	sbert
18	nb	max * uncertainty	triple	sbert
19	nb	max * random	triple	sbert
20	nb	cluster * uncertainty	triple	sbert
21	nb	cluster * random	triple	sbert
22	nb	cluster	triple	embeddingIdf
23	nb	max	triple	embeddingIdf
24	nb	max * cluster	triple	embeddingIdf
25	nb	max * uncertainty	triple	embeddingIdf
26	nb	max * random	triple	embeddingIdf
27	nb	cluster * uncertainty	triple	embeddingIdf
28	nb	cluster * random	triple	embeddingIdf

	model	query_strategy	balance_strategy	feature_extraction
29	rf	cluster	triple	doc2vec
30	rf	max	triple	doc2vec
31	rf	max * cluster	triple	doc2vec
32	rf	max * uncertainty	triple	doc2vec
33	rf	max * random	triple	doc2vec
34	rf	cluster * uncertainty	triple	doc2vec
35	rf	cluster * random	triple	doc2vec
36	rf	cluster	triple	tfidf
37	rf	max	triple	tfidf
38	rf	max * cluster	triple	tfidf
39	rf	max * uncertainty	triple	tfidf
40	rf	max * random	triple	tfidf
41	rf	cluster * uncertainty	triple	tfidf
42	rf	cluster * random	triple	tfidf
43	rf	cluster	triple	sbert
44	rf	max	triple	sbert
45	rf	max * cluster	triple	sbert
46	rf	max * uncertainty	triple	sbert
47	rf	max * random	triple	sbert
48	rf	cluster * uncertainty	triple	sbert
49	rf	cluster * random	triple	sbert
50	rf	cluster	triple	embeddingIdf
51	rf	max	triple	embeddingIdf
52	rf	max * cluster	triple	embeddingIdf
53	rf	max * uncertainty	triple	embeddingIdf
54	rf	max * random	triple	embeddingIdf
55	rf	cluster * uncertainty	triple	embeddingIdf
56	rf	cluster * random	triple	embeddingIdf
57	svm	cluster	triple	doc2vec
58	svm	max	triple	doc2vec
59	svm	max * cluster	triple	doc2vec
60	svm	max * uncertainty	triple	doc2vec
61	svm	max * random	triple	doc2vec
62	svm	cluster * uncertainty	triple	doc2vec
63	svm	cluster * random	triple	doc2vec
64	svm	cluster	triple	tfidf
65	svm	max	triple	tfidf
66	svm	max * cluster	triple	tfidf
67	svm	max * uncertainty	triple	tfidf
68	svm	max * random	triple	tfidf
69	svm	cluster * uncertainty	triple	tfidf
70	svm	cluster * random	triple	tfidf
71	svm	cluster	triple	sbert
72	svm	max	triple	sbert
73	svm	max * cluster	triple	sbert
74	svm	max * uncertainty	triple	sbert
75	svm	max * random	triple	sbert
76	svm	cluster * uncertainty	triple	sbert
77	svm	cluster * random	triple	sbert
78	svm	cluster	triple	embeddingIdf
79	svm	max	triple	embeddingIdf
80	svm	max * cluster	triple	embeddingIdf

	model	query_strategy	balance_strategy	feature_extraction
81	svm	max * uncertainty	triple	embeddingIdf
82	svm	max * random	triple	embeddingIdf
83	svm	cluster * uncertainty	triple	embeddingIdf
84	svm	cluster * random	triple	embeddingIdf
85	dense_nn	cluster	triple	doc2vec
86	dense_nn	max	triple	doc2vec
87	dense_nn	max * cluster	triple	doc2vec
88	dense_nn	max * uncertainty	triple	doc2vec
89	dense_nn	max * random	triple	doc2vec
90	dense_nn	cluster * uncertainty	triple	doc2vec
91	dense_nn	cluster * random	triple	doc2vec
92	dense_nn	cluster	triple	tfidf
93	dense_nn	max	triple	tfidf
94	dense_nn	max * cluster	triple	tfidf
95	dense_nn	max * uncertainty	triple	tfidf
96	dense_nn	max * random	triple	tfidf
97	dense_nn	cluster * uncertainty	triple	tfidf
98	dense_nn	cluster * random	triple	tfidf
99	dense_nn	cluster	triple	sbert
100	dense_nn	max	triple	sbert
101	dense_nn	max * cluster	triple	sbert
102	dense_nn	max * uncertainty	triple	sbert
103	dense_nn	max * random	triple	sbert
104	dense_nn	cluster * uncertainty	triple	sbert
105	dense_nn	cluster * random	triple	sbert
106	dense_nn	cluster	triple	embeddingIdf
107	dense_nn	max	triple	embeddingIdf
108	dense_nn	max * cluster	triple	embeddingIdf
109	dense_nn	max * uncertainty	triple	embeddingIdf
110	dense_nn	max * random	triple	embeddingIdf
111	dense_nn	cluster * uncertainty	triple	embeddingIdf
112	dense_nn	cluster * random	triple	embeddingIdf