

Sentiment Analysis of tweets containing the word “American Muslim” through RoBERTa for each month in the years 2020, 2021, 2022

April 17, 2023

month	negative	neutral	positive
1	0.561582	0.3337	0.104718
2	0.59441	0.31107	0.09452
3	0.566316	0.326106	0.107578
4	0.494899	0.339687	0.165414
5	0.523748	0.320115	0.156137
6	0.57646	0.328682	0.094858
7	0.56403	0.336543	0.099427
8	0.56678	0.337958	0.095262
9	0.584529	0.299846	0.115625
10	0.554514	0.342804	0.102682
11	0.550027	0.331565	0.118408
12	0.546627	0.329359	0.124014

Table AM-MUS.2020: RoBERTa sentiment score averages for “American Muslim” in 2020

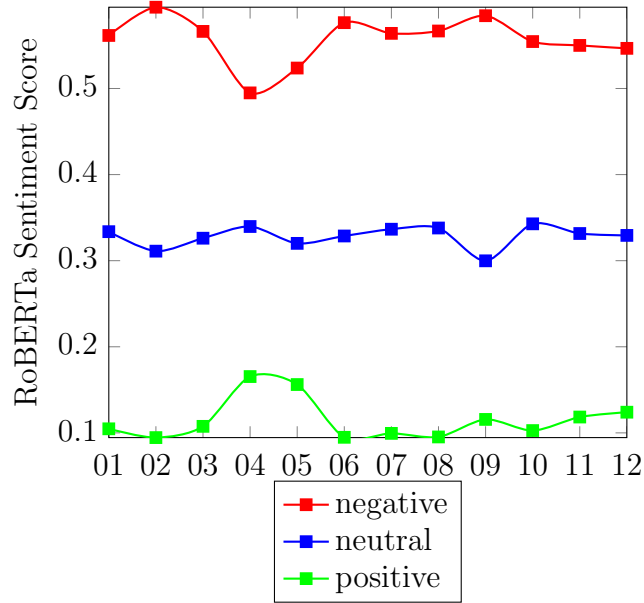


Figure AM-MUS.2020: the average RoBERTa sentiment scores per month in 2020

month	negative	neutral	positive
1	0.421238	0.445722	0.13304
2	0.387448	0.480519	0.132033
3	0.635112	0.29029	0.074598
4	0.493521	0.361188	0.145291
5	0.567044	0.347209	0.085747
6	0.531417	0.360269	0.108313
7	0.519449	0.36291	0.117641
8	0.59247	0.317576	0.089954
9	0.503802	0.380828	0.11537
10	0.501667	0.362018	0.136315
11	0.596961	0.308215	0.094824
12	0.502376	0.372438	0.125186

Table AM-MUS.2021: RoBERTa sentiment score averages for “American Muslim” in 2021

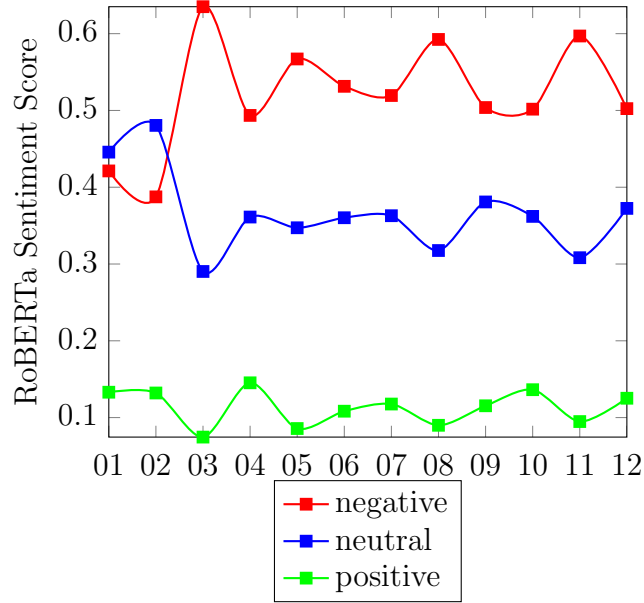


Figure AM-MUS.2021: the average RoBERTa sentiment scores per month in 2021

month	negative	neutral	positive
1	0.461677	0.419209	0.119114
2	0.545989	0.343448	0.110563
3	0.523096	0.361272	0.115632
4	0.496799	0.391844	0.111357
5	0.567756	0.348633	0.08361
6	0.578	0.342185	0.079815
7	0.527408	0.365735	0.106857
8	0.533972	0.353855	0.112173
9	0.576553	0.353939	0.069507
10	0.531797	0.379282	0.088921
11	0.565391	0.338846	0.095762
12	0.533269	0.360983	0.105747

Table AM-MUS.2022: RoBERTa sentiment score averages for “American Muslim” in 2022

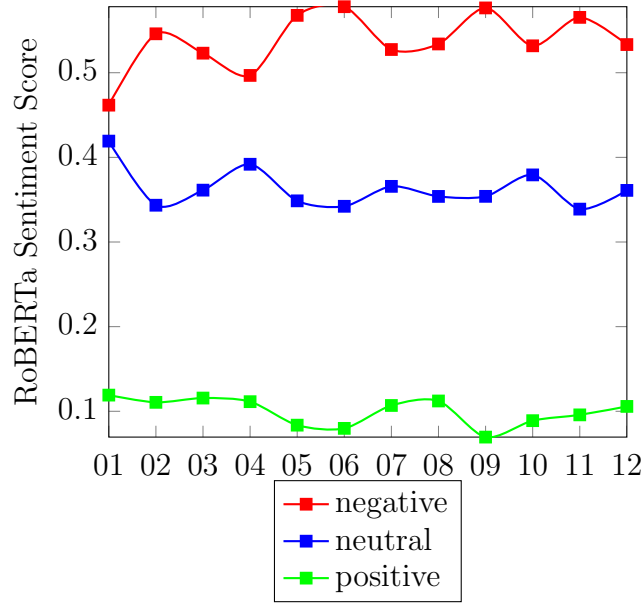


Figure AM-MUS.2022: the average RoBERTa sentiment scores per month in 2022

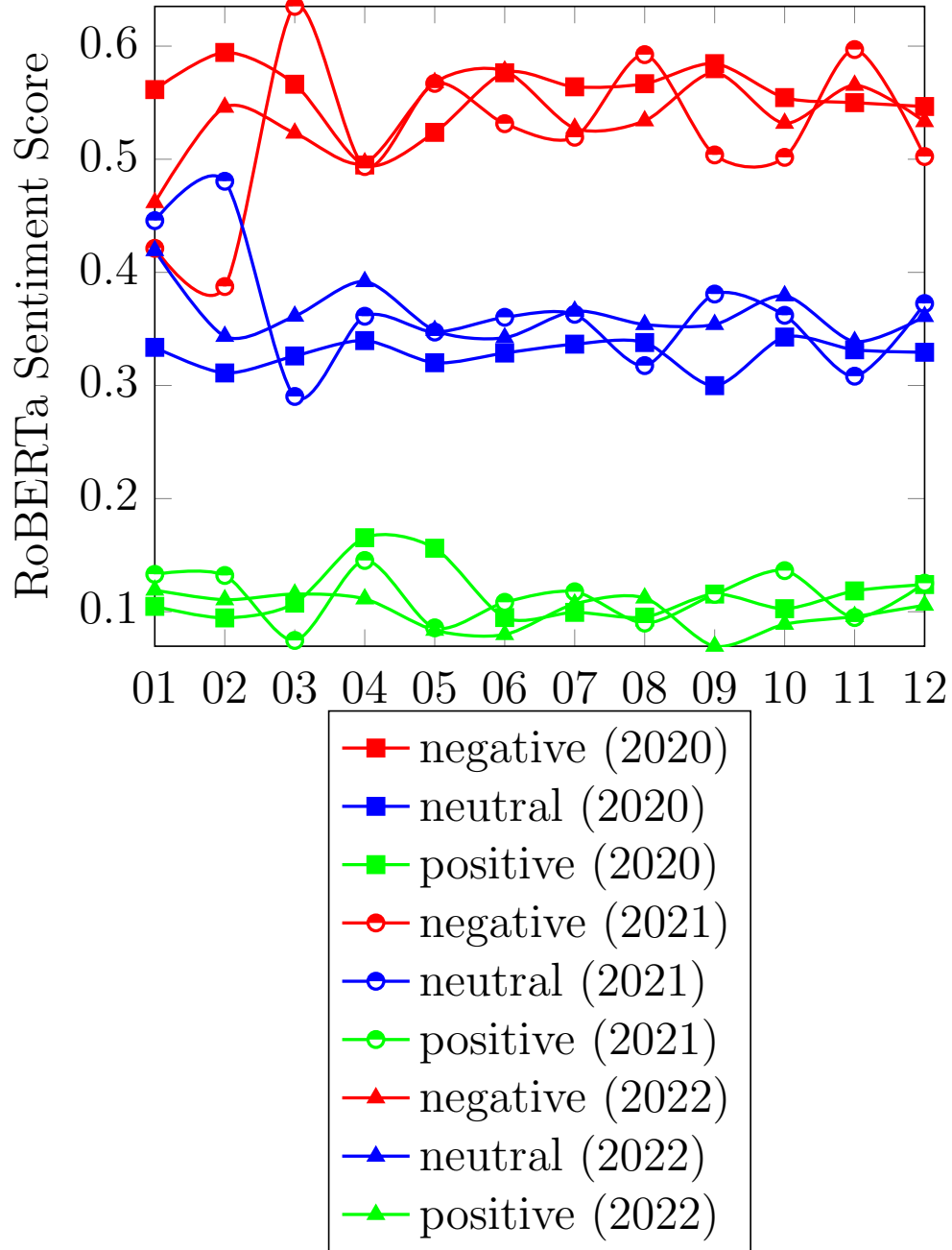


Figure AM-MUS.*: average RoBERTa sentiment scores 2020, 2021, 2022

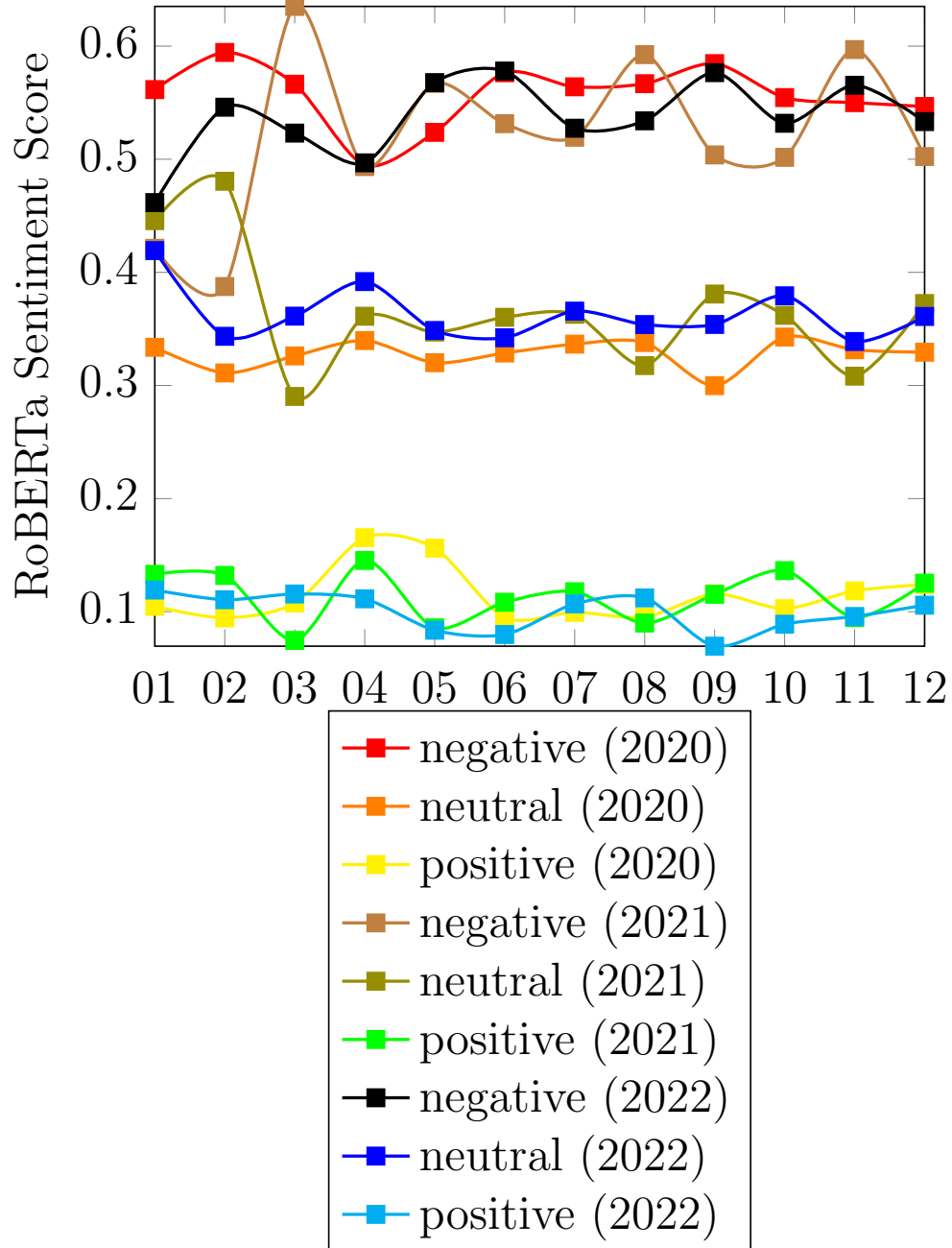


Figure AM-MUS.*: average RoBERTa sentiment scores 2020, 2021, 2022