

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

April 19, 2023

month	negative	neutral	positive
1	0.394789	0.463059	0.142152
2	0.391078	0.463393	0.145529
3	0.356431	0.476179	0.167391
4	0.32628	0.476223	0.197497
5	0.341555	0.484908	0.173537
6	0.341491	0.494128	0.164381
7	0.375623	0.485235	0.139141
8	0.393884	0.462129	0.143987
9	0.360918	0.500223	0.138859
10	0.507847	0.384027	0.108126
11	0.388929	0.465797	0.145273
12	0.366914	0.505821	0.127265

Table ISLAM.2020: RoBERTa sentiment score averages for “Islam” in 2020

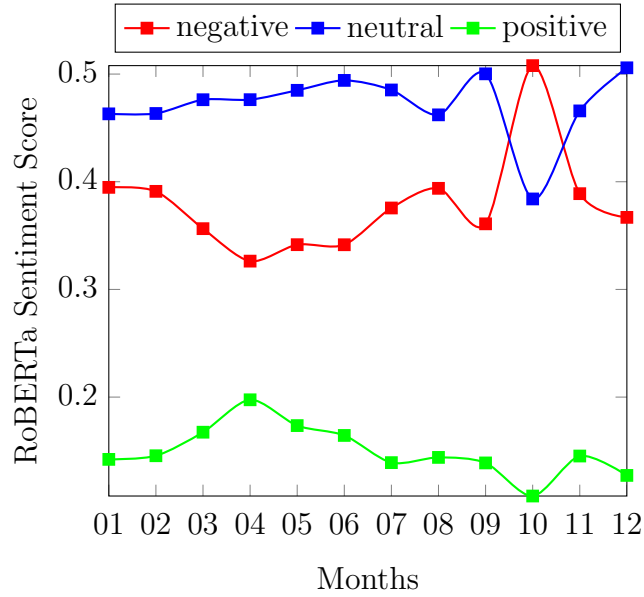


Figure ISLAM.2020: the average RoBERTa sentiment scores per month in 2020

month	negative	neutral	positive
1	0.290705	0.495786	0.109114
2	0.309512	0.491374	0.199115
3	0.355111	0.514826	0.130063
4	0.330039	0.501675	0.168286
5	0.406824	0.460786	0.13239
6	0.375894	0.49097	0.133136
7	0.38188	0.481917	0.136203
8	0.436705	0.444261	0.119034
9	0.366618	0.505987	0.127396
10	0.343779	0.525771	0.130451
11	0.31329	0.525849	0.160861
12	0.472459	0.413254	0.114287

Table ISLAM.2021: RoBERTa sentiment score averages for “Islam” in 2021

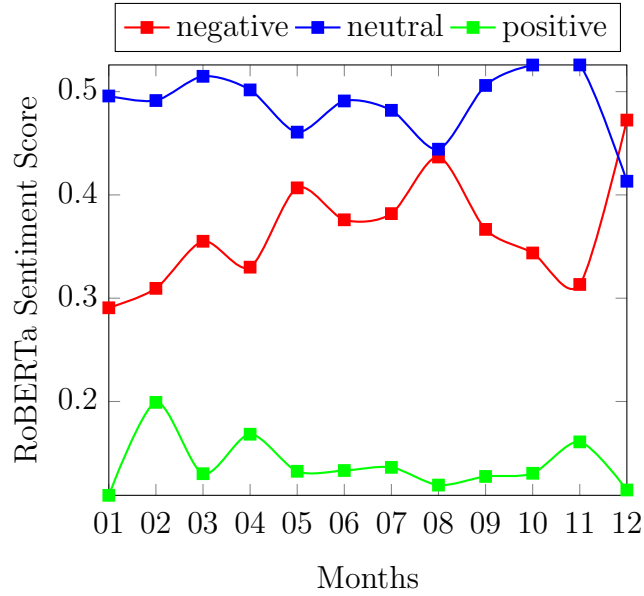


Figure ISLAM.2021: the average RoBERTa sentiment scores per month in 2021

month	negative	neutral	positive
1	0.393058	0.470877	0.136065
2	0.412469	0.464843	0.122688
3	0.421312	0.440089	0.138599
4	0.412721	0.447232	0.140047
5	0.522398	0.363507	0.114095
6	0.487955	0.402932	0.109114
7	0.337159	0.509062	0.153779
8	0.448174	0.458113	0.093713
9	0.416783	0.445456	0.13776
10	0.359617	0.488353	0.15203
11	0.357868	0.476842	0.16529
12	0.388901	0.464056	0.147043

Table ISLAM.2022: RoBERTa sentiment score averages for “Islam” in 2022

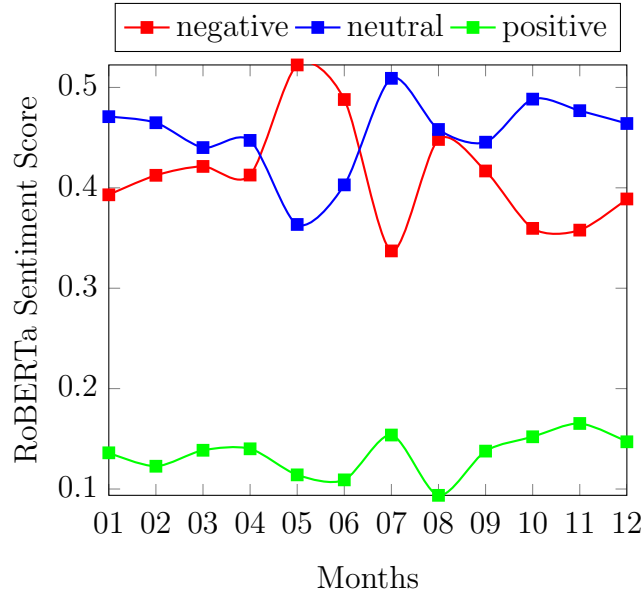


Figure ISLAM.2022: the average RoBERTa sentiment scores per month in 2022

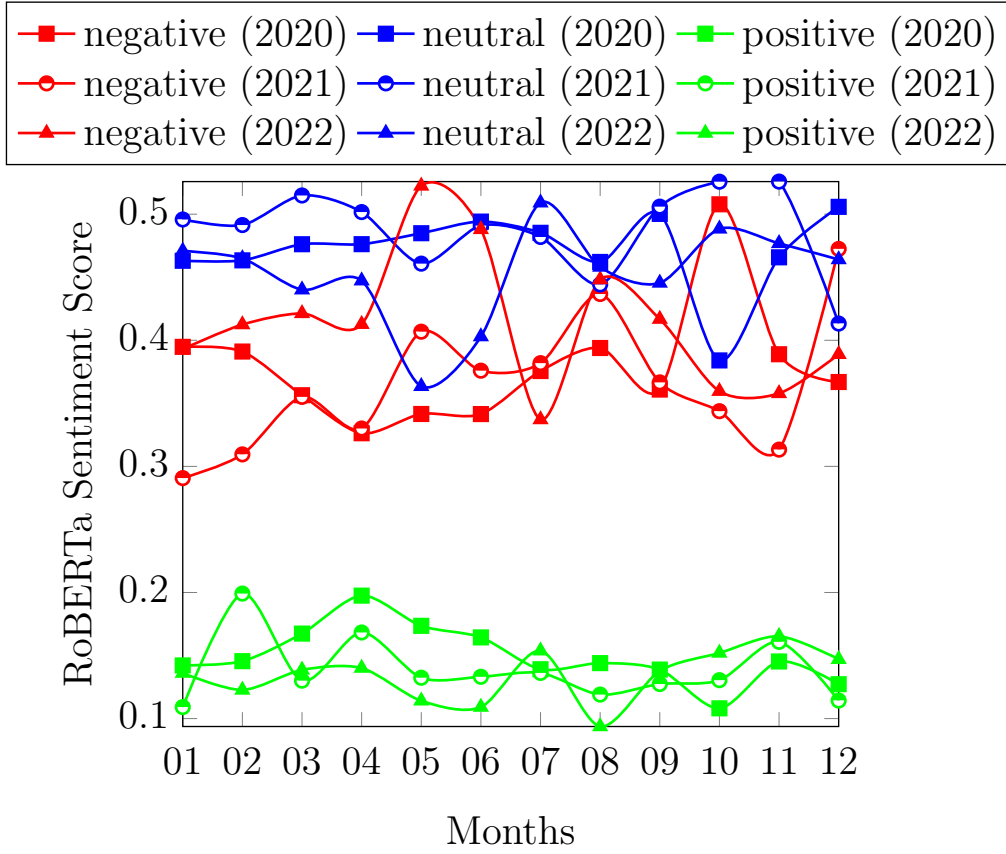


Figure ISLAM.*: average RoBERTa sentiment scores 2020, 2021, 2022