

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

April 7, 2023

month	negative	neutral	positive
1	0.421248	0.425083	0.120627
2	0.580681	0.332824	0.086494
3	0.326529	0.438839	0.234632
4	0.391895	0.421237	0.186868
5	0.370779	0.425848	0.203372
6	0.353456	0.484369	0.162175
7	0.357902	0.479485	0.162614
8	0.447177	0.43017	0.122654
9	0.439221	0.446212	0.114567
10	0.519229	0.377009	0.103762
11	0.392998	0.479574	0.127428
12	0.332375	0.458122	0.209503

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

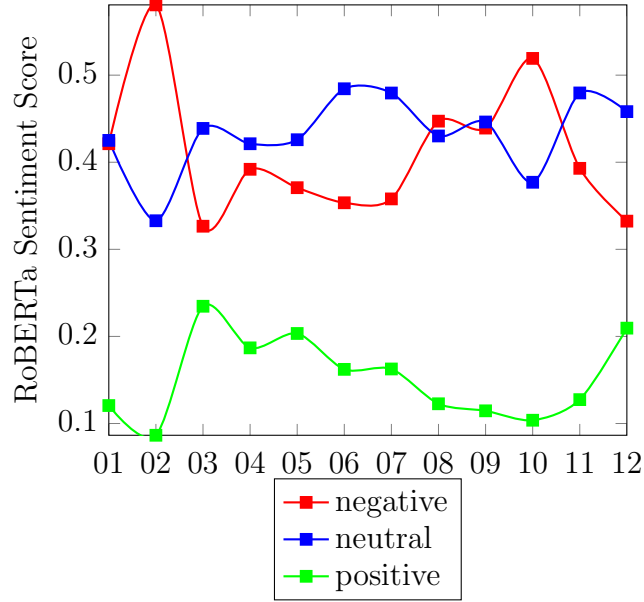


Figure ISLAM.2020: the average RoBERTa sentiment scores per month in 2020

month	negative	neutral	positive
1	0.344671	0.473265	0.182064
2	0.340585	0.471099	0.188316
3	0.381644	0.481382	0.136973
4	0.312772	0.455957	0.231272
5	0.418742	0.428006	0.153252
6	0.367182	0.468333	0.164485
7	0.319717	0.52875	0.151532
8	0.33182	0.493266	0.174914
9	0.34517	0.513555	0.141275
10	0.377238	0.477683	0.145079
11	0.295206	0.544192	0.160602
12	0.371647	0.462094	0.166259

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

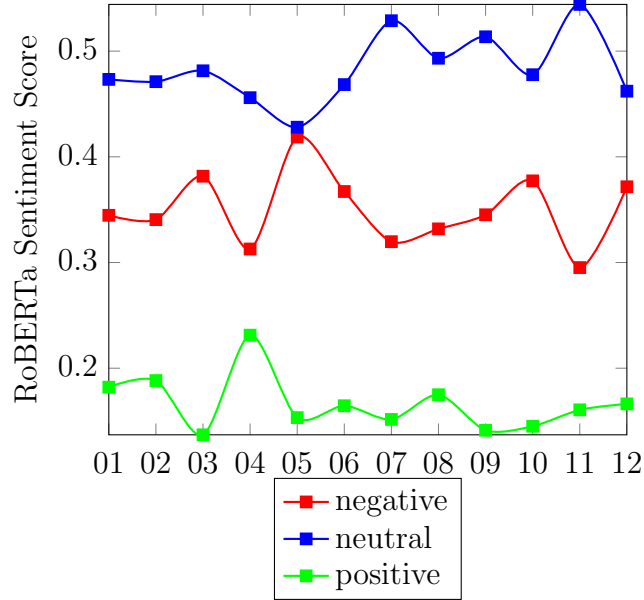


Figure ISLAM.2021: the average RoBERTa sentiment scores per month in 2021

month	negative	neutral	positive
1	0.366749	0.466075	0.167176
2	0.452567	0.426806	0.120627
3	0.402591	0.449105	0.148303
4	0.404292	0.438839	0.148621
5	0.353037	0.476599	0.170365
6	0.412144	0.440486	0.14737
7	0.321993	0.513559	0.164449
8	0.317426	0.517197	0.165377
9	0.359861	0.490928	0.149211
10	0.322307	0.524009	0.153683
11	0.26513	0.586916	0.147953
12	0.317922	0.526483	0.155595

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

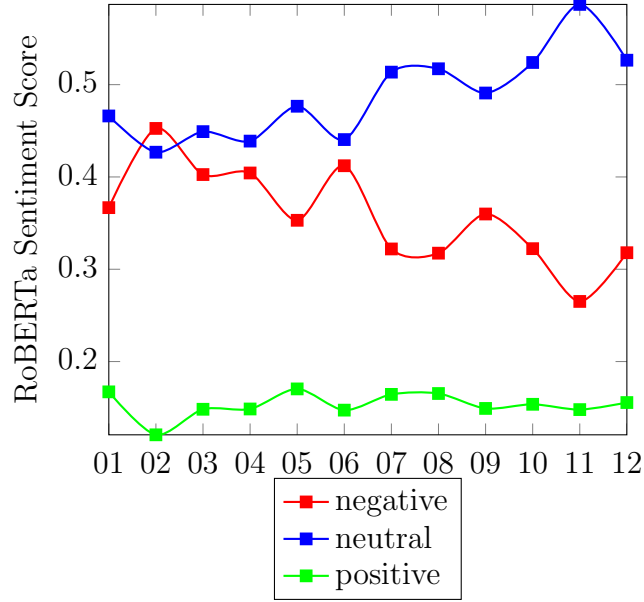


Figure ISLAM.2022: the average RoBERTa sentiment scores per month in 2022