Indian General Election 2019 Youtube Sentiment Dashboard

Section-1: Trend analysis on monthly youtube comments
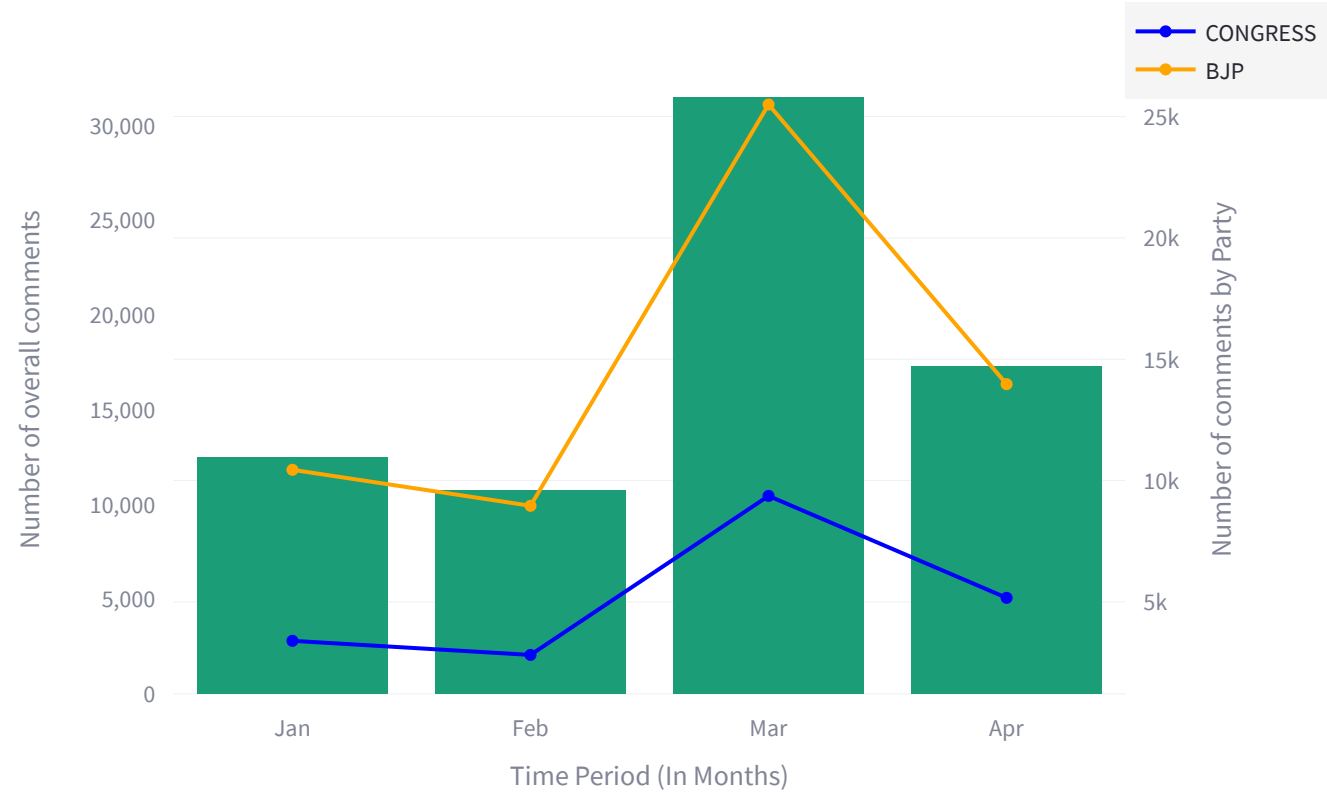
Select Analysis Time Period (In Year)
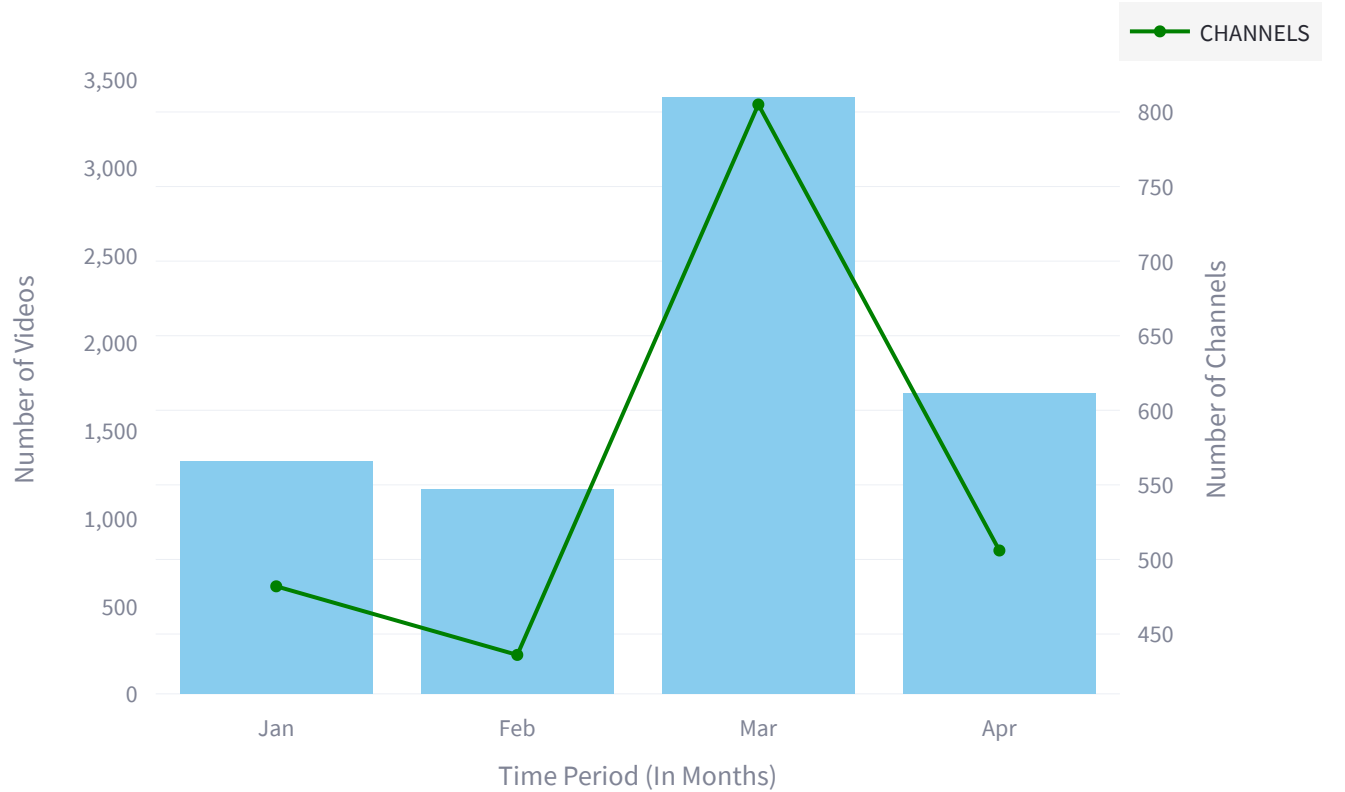
2019 ⊗ ⌄

Monthly Frequency Distribution of Youtube comments   **Monthly Frequency Distribution of Youtube Videos and Channels**
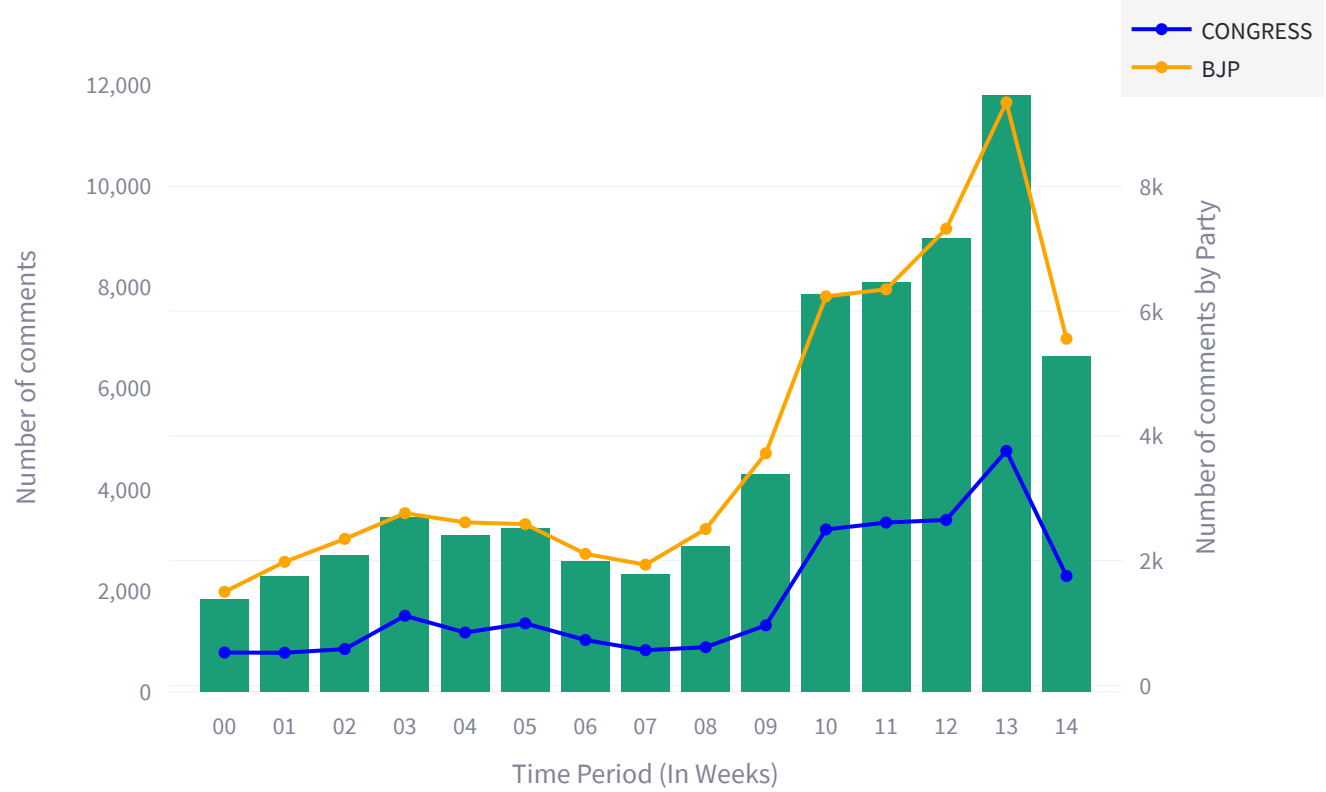

Section-2: Trend analysis on weekly/hourly youtube comments

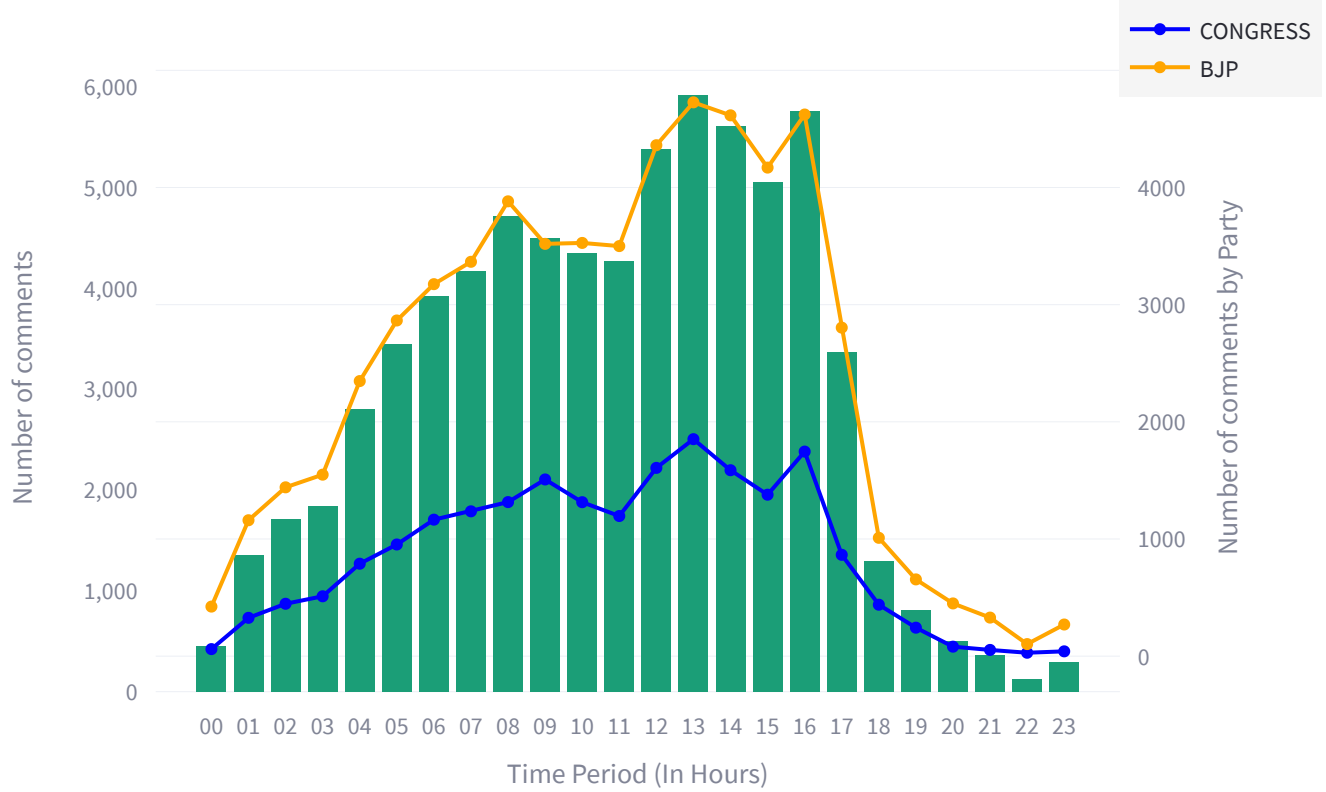Select Week Range based on Analysis Window

0   14

0   14

Weekly Frequency Distribution of Youtube comments
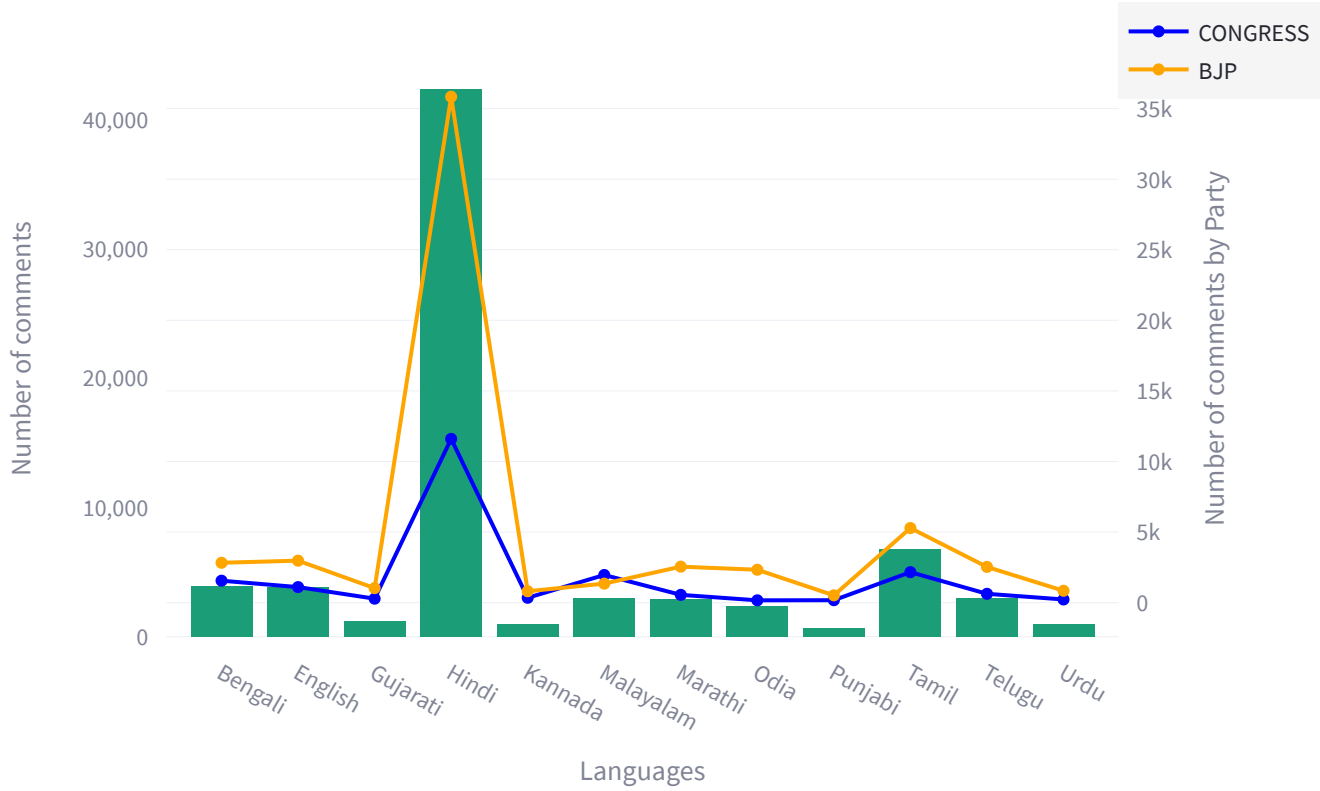

Hourly Frequency Distribution of Youtube comments

Section-3: Trend analysis youtube comments by language
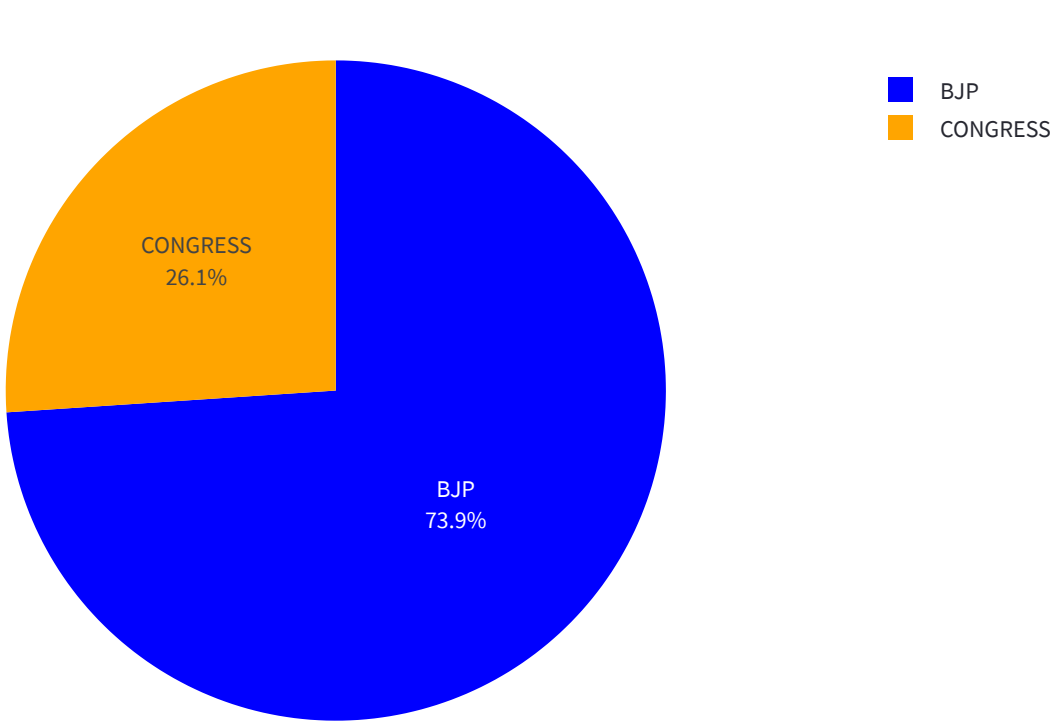
Select languages

Hindi	Tamil	Bengali	English	Gujarati	Kannada	Malayalam	Marathi	Odia	Punjabi	Telugu	Urdu

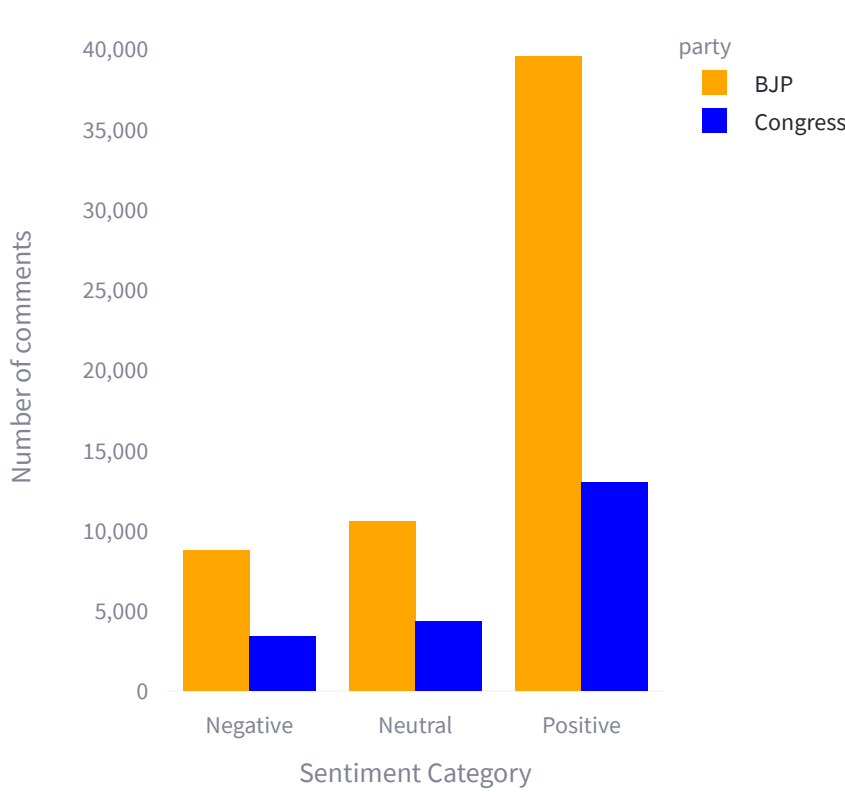**Frequency Distribution of Youtube comments by languages**

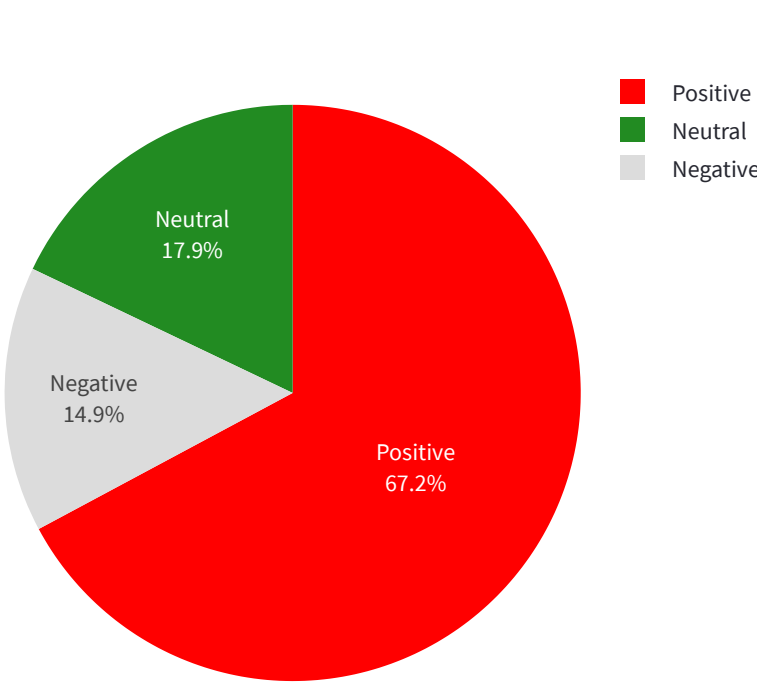**Overall distribution of Party comments for analysis**

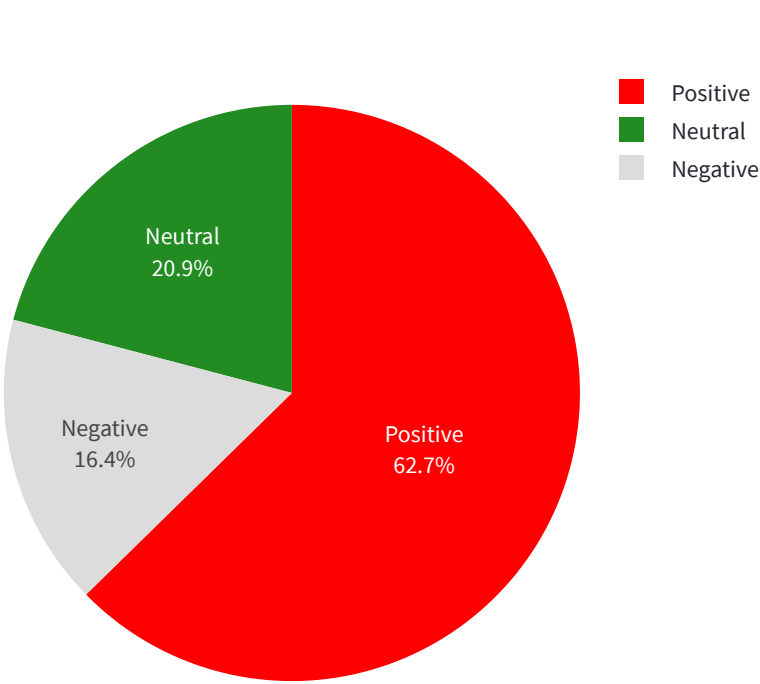Section-4: Sentiments based on youtube comments using mBert

Sentiment Distribution of Youtube comments by parties

Sentiment Distribution of BJP

Sentiment Distribution of CONGRESS

Section-5: Sentiments based on youtube comments using mBert

Note: Neutral Sentiment is removed, focus is on Positive and Negative Sentiments

Select Analysis Timeperiod:

| Apr2019 | Mar2019 | Jan2019 | Feb2019 | ⊗ ⌄ |

Select languages:

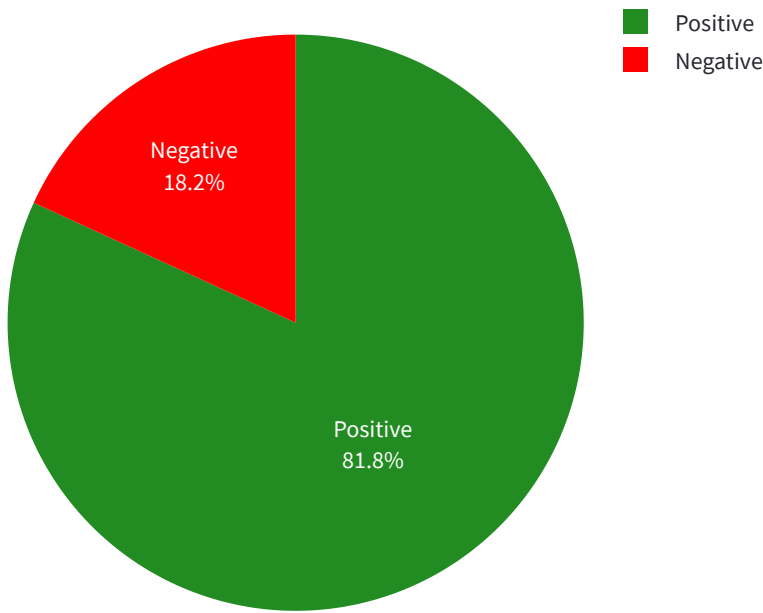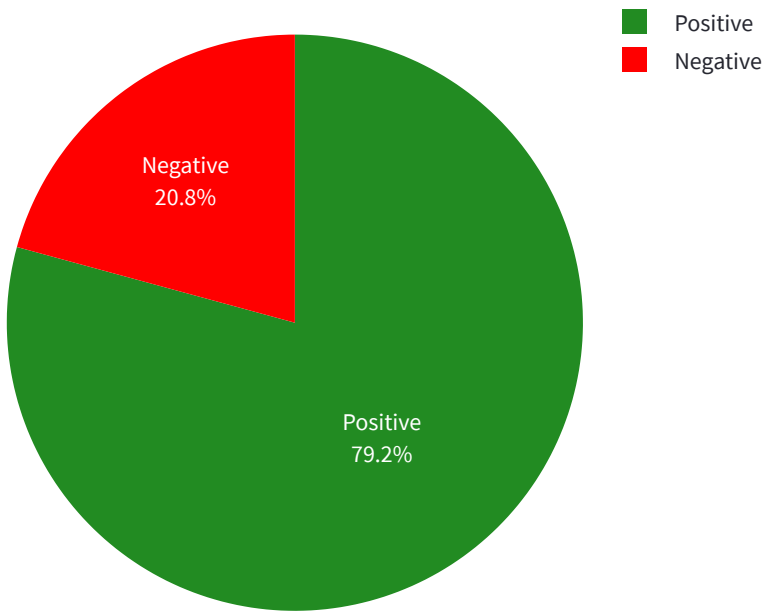| Tamil | Bengali | English | Gujarati | Hindi | Kannada | Malayalam | Marathi | Odia | Punjabi | Telugu | Urdu | ⊗ ⌄ |

Sentiment Distribution of Youtube comments by parties
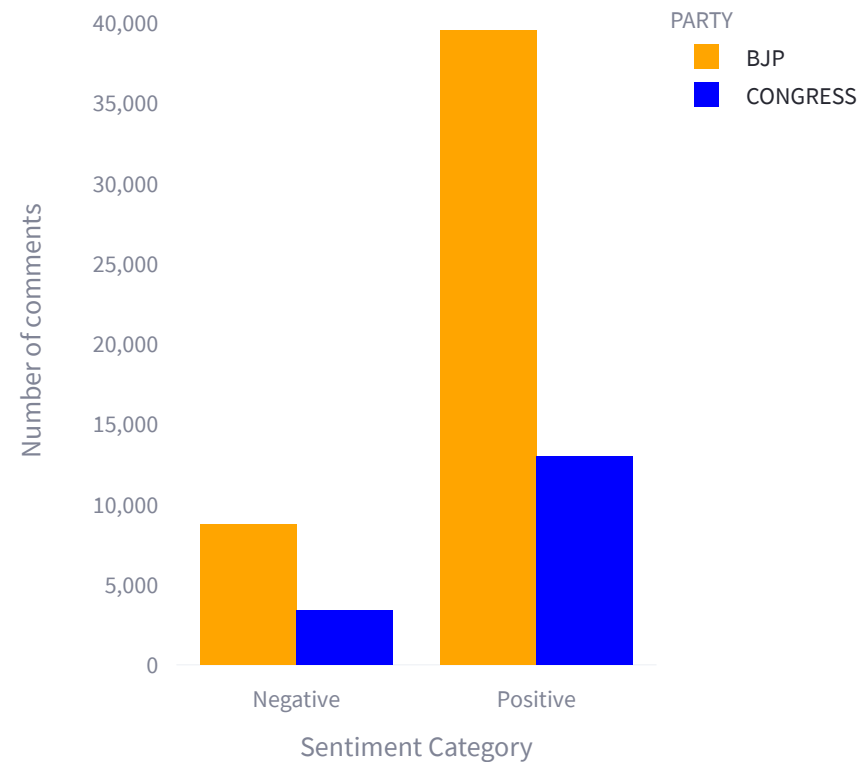
Sentiment Distribution of BJP

Sentiment Distribution of CONGRESS

Section-6: mBert model evaluation metrics

	LanguageCode	Accuracy_BaseModel	Precision_BaseModel	Recall_BaseModel	F1Score_BaseModel	Accuracy_FinetunedModel	Precision_FinetunedModel	Recall_FinetunedModel	F1Score_FinetunedModel
0	Bengali	0.3716	0.8127	0.3716	0.3991	0.7406	0.7449	0.7406	0.7315
1	English	0.5774	0.756	0.5774	0.4227	0.8073	0.8123	0.8073	0.8082
2	Gujarati	0.4959	0.6327	0.4959	0.4158	0.748	0.7752	0.748	0.734
3	Hindi	0.0764	0.9456	0.0764	0.0429	0.9422	0.9455	0.9422	0.9141
4	Kannada	0.0067	0.0001	0.0067	0.0001	0.9367	0.9407	0.9367	0.906
5	Malayalam	0.1305	0.8445	0.1305	0.1041	0.8263	0.8565	0.8263	0.7477
6	Marathi	0.6393	0.6479	0.6393	0.6387	0.8219	0.8412	0.8219	0.8223
7	Odia	0.0349	0.9931	0.0349	0.057	0.9679	0.9906	0.9679	0.9777
8	Punjabi	0.746	0.9225	0.746	0.8119	0.9418	0.9345	0.9418	0.9374
9	Tamil	0.2189	0.829	0.2189	0.0786	0.7821	0.7607	0.7821	0.7665
10	Telugu	0.8818	0.896	0.8818	0.8396	0.8435	0.8719	0.8435	0.8545
11	Urdu	0.01	0.7475	0.01	0.0197	0.9967	0.9967	0.9967	0.995

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