

Appendix

In this appendix we provide the illustrate the social media use before and after the pandemic was announced.

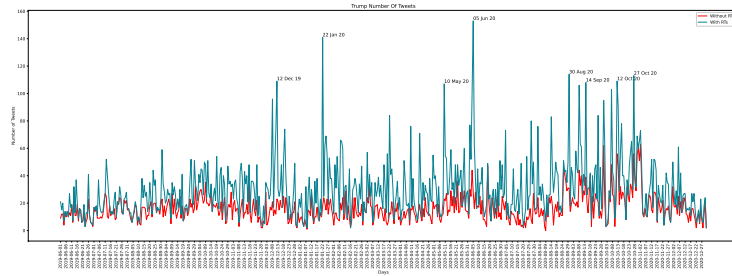
Figures A1 show the frequencies of posted tweets by Trump, Johnson, and Modi.

Figure A2 shows the most frequently used words by Trump, Johnson, and Modi before and after the pandemic.

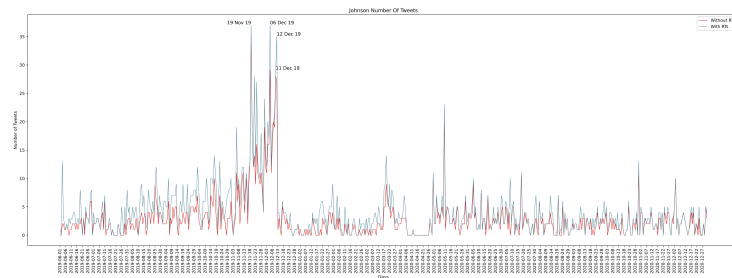
Figure A3, A4, and A5 show the entity co-occurrence networks for the tweets of Modi, Trump, and Johnson.

Figures A6, A7, and A8 show the frequencies of hashtags in posts made by Trump, Johnson, and Modi.

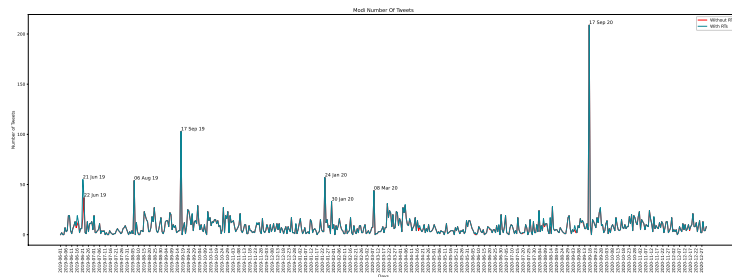
Figures A9, A10, and A11 show the most frequent mentions made by Trump, Johnson, and Modi.



(a) The number of tweets Trump sent over time. The red line shows the number of tweets without retweets. The green line shows the number of tweets including retweets



(b) The number of tweets Johnson sent over time. The red line shows the number of tweets without retweets. The green line shows the number of tweets including retweets



(c) The number of tweets Modi sent over time. The red line shows the number of tweets without retweets. The green line shows the number of tweets including retweets.

Figure A1: The frequencies of tweets sent between Jun. 01, 2019 and Dec. 31, 2020

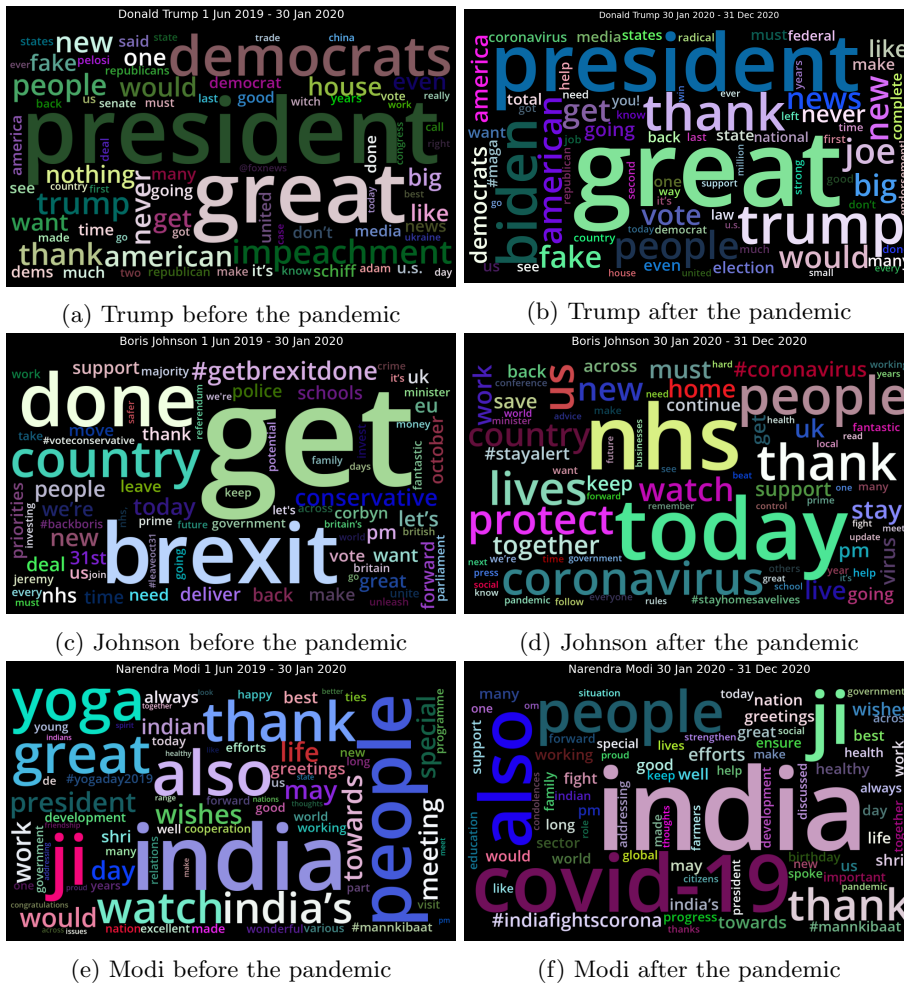
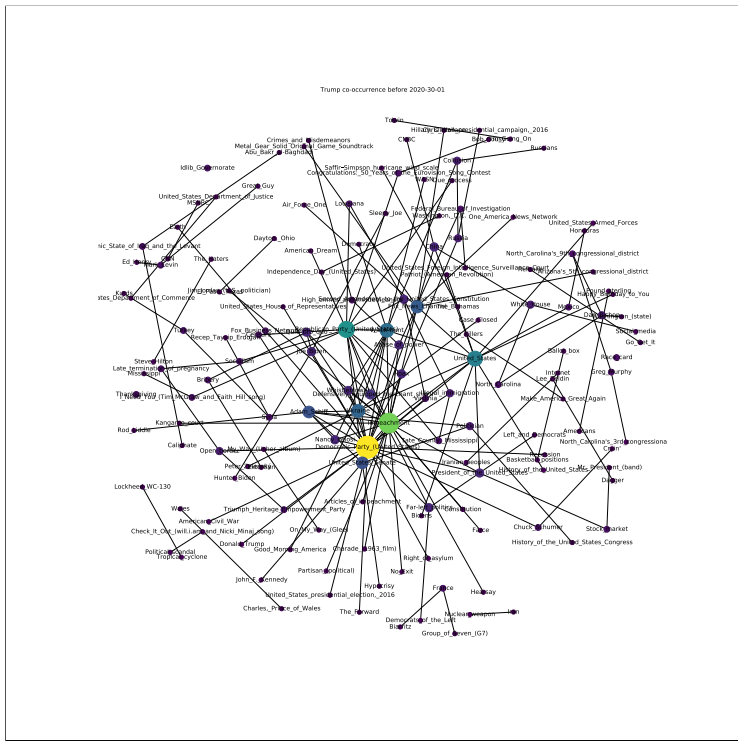
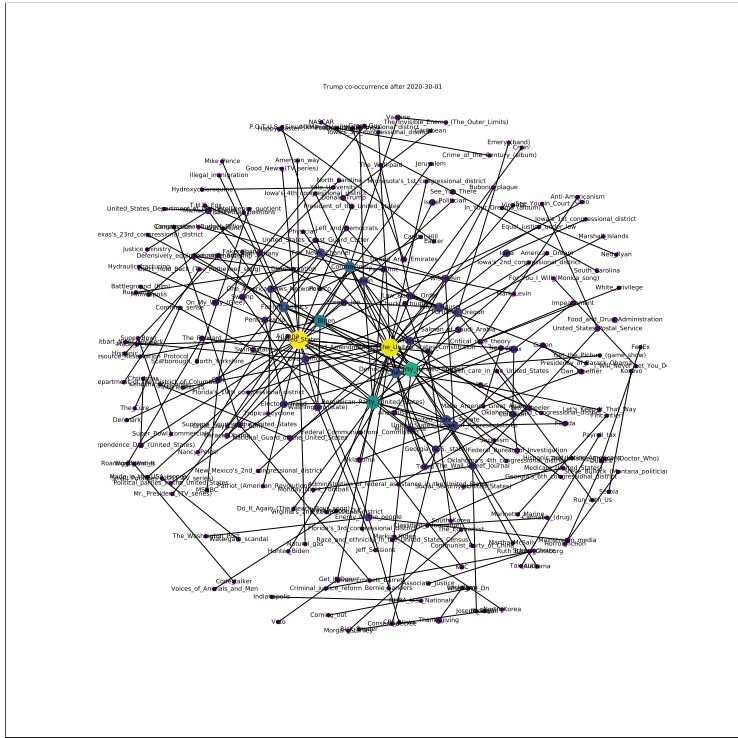


Figure A2: The most frequently used words before and after the declaration of pandemic.

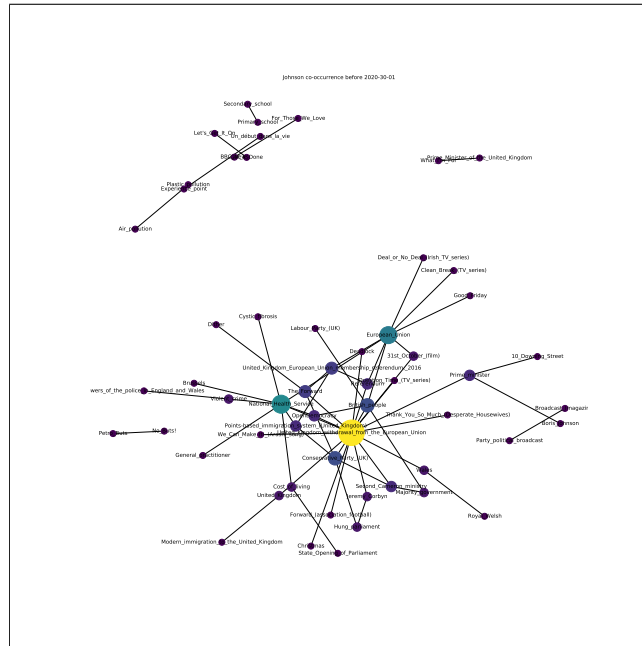


(a) Trump's entity network before the pandemic

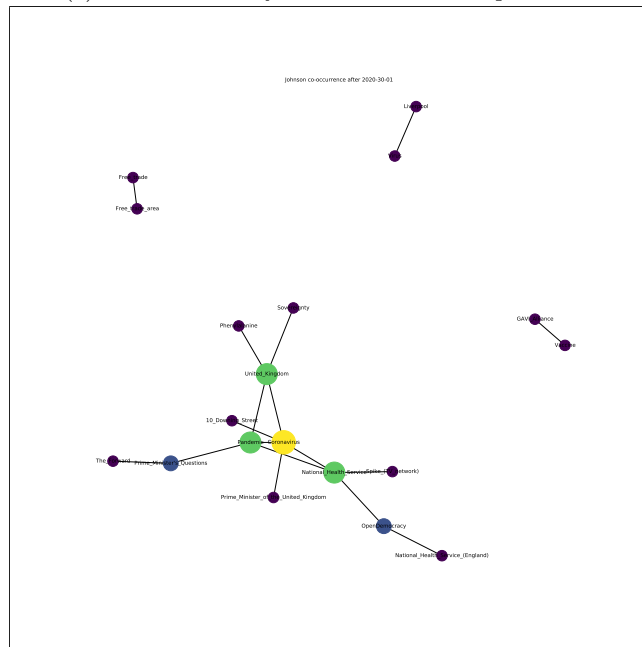


(b) Trump's entity network after the pandemic

Figure A3: Trump entity co-occurrence networks before and after the pandemic.

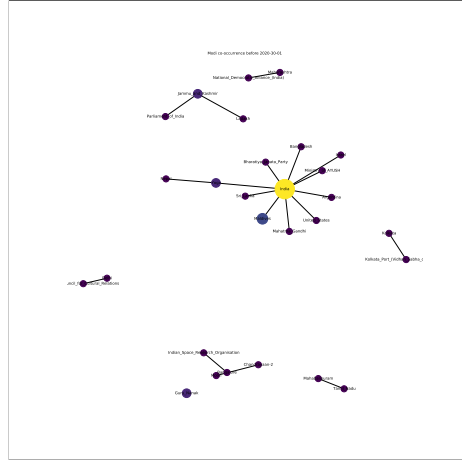


(a) Johnson's entity network before the pandemic

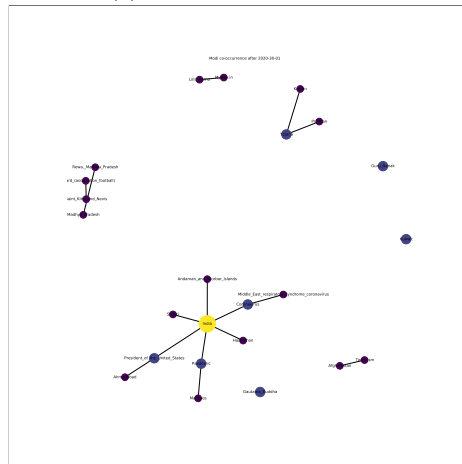


(b) Johnson's entity network after the pandemic

Figure A4: Johnson entity co-occurrence networks before and after the pandemic.



(a) Before the pandemic



(b) After the pandemic

Figure A5: Modi entity co-occurrence networks before and after the pandemic.

Donald Trump - Hashtags

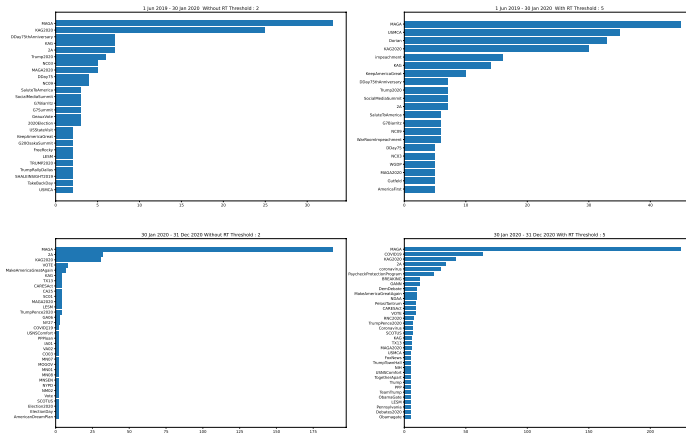


Figure A6: Trump's most frequently used hashtags.

Mark Johnson - Hashtags

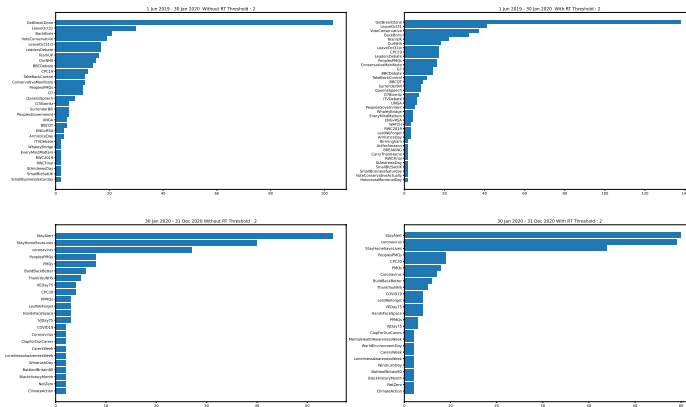


Figure A7: Johnson's most frequently used hashtag.

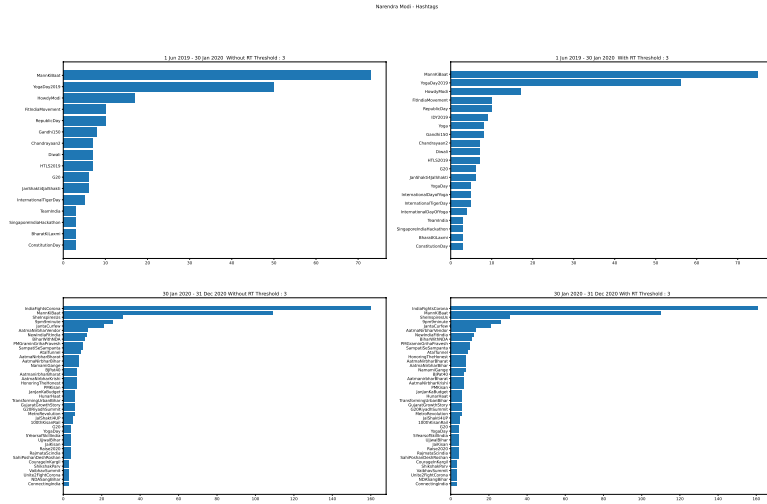


Figure A8: Modi's most frequently used hashtags.

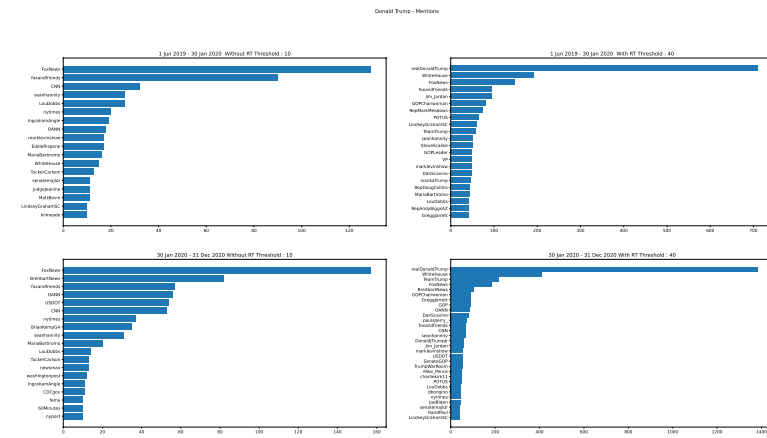


Figure A9: Trump's most frequent mentions

Boris Johnson - Mentions

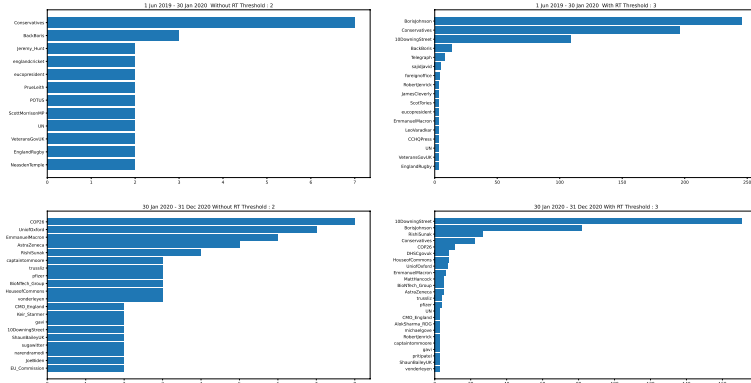


Figure A10: Johnson’s most frequent mentions

Narendra Modi - Mentions

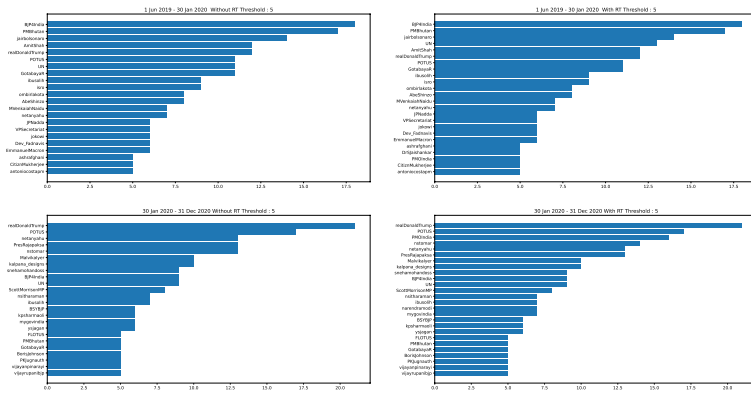


Figure A11: Modi’s most frequent mentions