Title: Appendix for "Did the Musk takeover boost contentious actors on Twitter?"

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Note: The material contained herein is supplementary to the article named in the title and published in the Harvard

Kennedy School (HKS) Misinformation Review.

Appendix



Figure A1. Full tweet thread by Elon Musk posted on November 1, 2022.

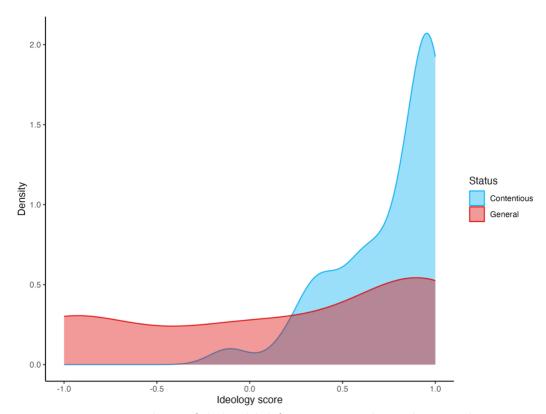


Figure A2. Distribution of ideology labels for contentious and general user samples.

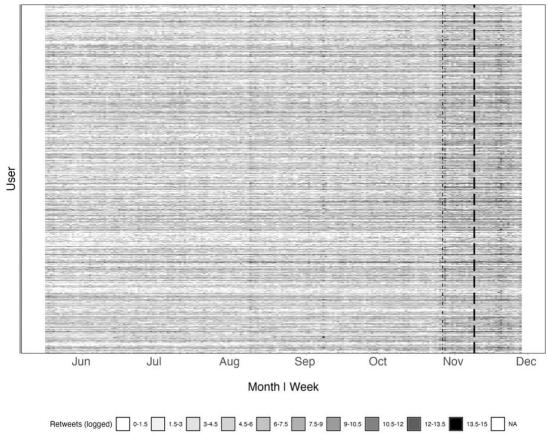


Figure A3. User-day tile plot of retweets, May 17–November 29, 2022 for contentious users. Thin dotted vertical line denotes date of Musk acquisition. Thick vertical dotted line denotes approximate date of blue-tick verification.

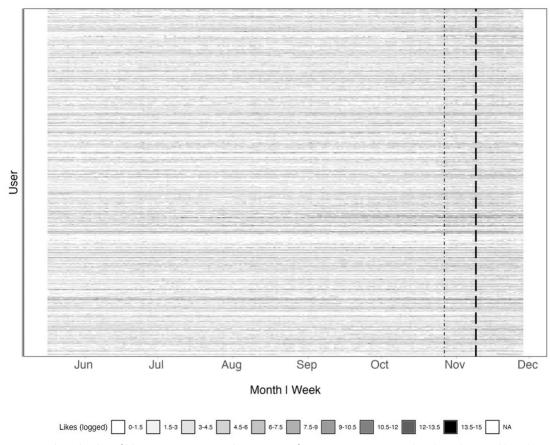


Figure A4. User-day tile plot of likes, May 17–November 29, 2022 for contentious users. Thin dotted vertical line denotes date of Musk acquisition. Thick vertical dotted line denotes approximate date of blue-tick verification.

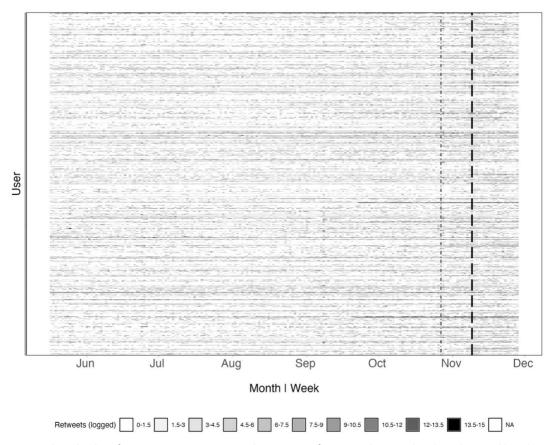


Figure A5. User-day tile plot of retweets, May 17—November 29, 2022 for general users. Thin dotted vertical line denotes date of Musk acquisition. Thick vertical dotted line denotes approximate date of blue-tick verification.

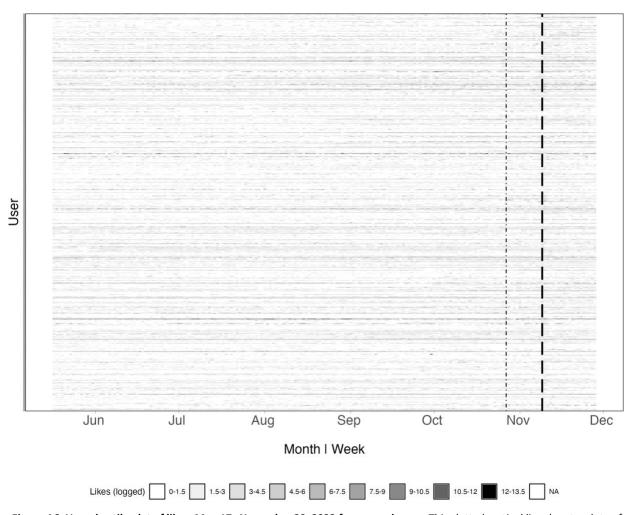


Figure A6. User-day tile plot of likes, May 17—November 29, 2022 for general users. Thin dotted vertical line denotes date of Musk acquisition. Thick vertical dotted line denotes approximate date of blue-tick verification.

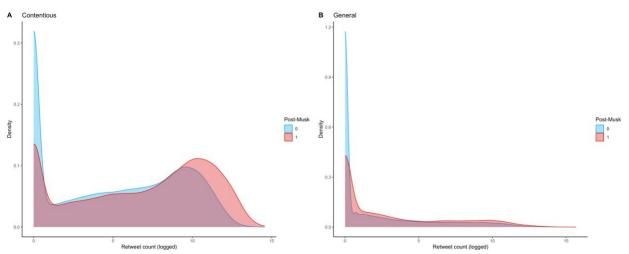


Figure A7. Kernel density plot of (logged) user-level retweet counts before and after the Musk acquisition for contentious and general users. Note: 0 = pre-Musk acquisition; 1 = post-Musk acquisition.

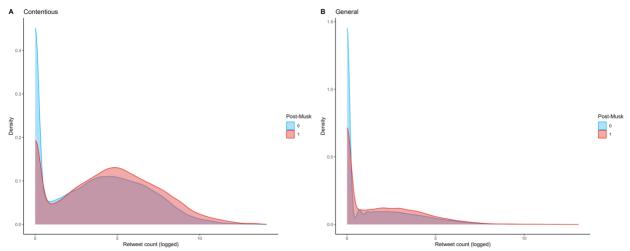


Figure A8. Kernel density plot of (logged) user-level like counts before and after the Musk acquisition for contentious and general users. Note: 0 = pre-Musk acquisition; 1 = post-Musk acquisition.

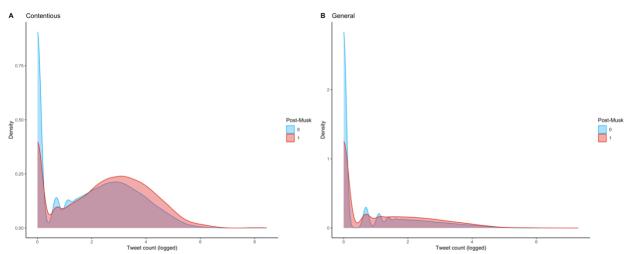


Figure A9. Kernel density plot of (logged) user-level tweet counts before and after the Musk acquisition for contentious and general users. Note: 0 = pre-Musk acquisition; 1 = post-Musk acquisition.

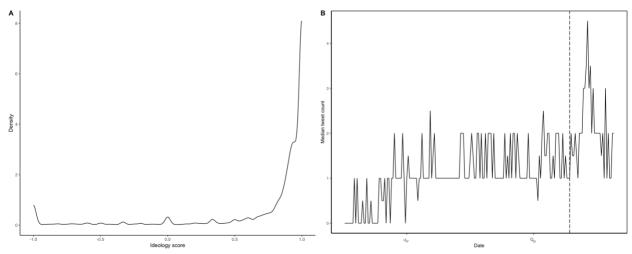


Figure A10. Ideology distribution (A) of retweeters of contentious user tweets and median daily tweet counts of the retweeting accounts (B). Dotted vertical line in panel B denotes the date of the formal Musk acquisition.

Table A1. Effect of Musk acquisition on contentious user engagement.

	Retweets	Likes
Post-Musk acquisition	0.536***	0.128***
	(0.027)	(0.020)
Tweets (logged sum)	1.968***	1.416***
	(0.025)	(0.019)
Observations	187,395	187,395
User fixed effect	Х	Х

Notes: Standard errors clustered by user. Outcomes are logged retweets and likes.* p < 0.05, ** p < 0.01, *** p < 0.001.

Table A2. Effect of Musk acquisition on general blue-tick user engagement.

	Retweets	Likes
Post-Musk acquisition	0.246***	0.036***
	(0.025)	(0.010)
Tweets (logged sum)	1.913***	1.290***
	(0.033)	(0.015)
Observations	181,935	181,935
User fixed effect	Χ	X

Notes: Standard errors clustered by user. Outcomes are logged retweets and likes. * p < 0.05, ** p < 0.01, *** p < 0.001.

Table A3. Effect of Musk acquisition on user tweet engagement with interaction between post-Musk dummy and user status.

	Retweets	Likes
(Intercept)	1.245***	0.824***
	(0.008)	(0.005)
Post-Musk acquisition	0.507***	0.133***
	(0.015)	(0.010)
General user	-0.820***	-0.588***
	(0.009)	(0.006)
Tweets (logged sum)	2.020***	1.405***
	(0.003)	(0.002)
General user*Post-Musk acquisition	-0.294***	-0.132***
	(0.021)	(0.014)
Observations	369330	369330

Notes: Standard errors clustered by user. Outcomes are logged retweets and likes. * p < 0.05, ** p < 0.01, *** p < 0.001.