

Column 2 shows the time since publication

Columns 4–7 show the distribution of stances (S: Support, D: Deny, C: Comment, and R: Report)

Introduction

Engagement of social media users with respect to fake and real news articles

News title (Label)	Time	# Posts	S	D	C	R	Noticeable responses
Virginia Republican Wants Schools To Check Children's Genitals Before Using Bathroom (Fake)	3h	38	0.00	0.03	0.19	0.78	"DISGUSED SO TRASNPHOBIK", "FOR GODS SAKE GET REAL GOP", "You cant make this up folks"
	3h - 6h	21	0.00	0.10	0.10	0.80	"Ok This cant be real", "WTF IS THIS BS", "Rediculous RT"
	6h+	31	0.00	0.10	0.14	0.76	"Cant make this shit up", "how is this real", "small government", "GOP Cray Cray Occupy Democrats"
1,100,000 people have been killed by guns in the U.S.A. since John Lennon was shot and killed on December 8, 1980 (Real)	3h	9	0.56	0.00	0.00	0.44	"#StopGunViolence", "guns r the problem"
	3h+	36	0.50	0.00	0.11	0.39	"Some 1.15 million people have been killed by firearms in the United States since Lennon was gunned down", "#StopGunViolence"

- The fake news had many engagements shortly after its publication.
- These are mainly verbatim re-circulations with negative sentiment of the original post explained by the typically appalling content of fake news.
- After that short time window, see denial posts questioning the validity of the news, and the stance distribution stabilizes afterwards with virtually no support.

Column 2 shows the time since publication

Columns 4–7 show the distribution of stances (S: Support, D: Deny, C: Comment, and R: Report)

Introduction

Engagement of social media users with respect to fake and real news articles

News title (Label)	Time	# Posts	S	D	C	R	Noticeable responses
Virginia Republican Wants Schools To Check Children's Genitals Before Using Bathroom (Fake)	3h	38	0.00	0.03	0.19	0.78	"DISGUSED SO TRASNPHOBIK", "FOR GODS SAKE GET REAL GOP", "You cant make this up folks"
	3h - 6h	21	0.00	0.10	0.10	0.80	"Ok This cant be real", "WTF IS THIS BS", "Rediculous RT"
	6h+	31	0.00	0.10	0.14	0.76	"Cant make this shit up", "how is this real", "small govern-ment", "GOP Cray Cray Occupy Democrats"
1,100,000 people have been killed by guns in the U.S.A. since John Lennon was shot and killed on December 8, 1980 (Real)	3h	9	0.56	0.00	0.00	0.44	"#StopGunViolence", "guns r the problem"
	3h+	36	0.50	0.00	0.11	0.39	"Some 1.15 million people have been killed by firearms in the United States since Lennon was gunned down", "#StopGunViolence"

- The real news invokes moderate engagement, mainly comprised of supportive posts with neutral sentiment that stabilize quickly.
- Such **temporal shifts in user perception** serve as important signals for distinguishing fake from real news.