Appendix B: Supplementary Tables and Figures

Table B1: Feature Set Size and Number of Comments by Subreddit (Without Filtering Based on Comment Length)

Subreddit	Size of Feature Set	N of Comments
/r/liberalgunowners	60,886	204,688
/r/progun	43,895	130,045
/r/guns	147,682	986,598
		Total: 1,321,181

Table B2: Cosine Similarity Between Subreddit Feature Sets Without Filtering Based on Comment Length

	/r/liberalgunowners vs. /r/progun	/r/liberalgunowners vs. /r/guns	/r/progun vs. /r/guns
Cosine Similarity	0.996	0.872	0.879

Table B3: Top Twenty Distinguishing Features for /r/liberalgunowners and /r/guns (Without Featuring Based on Comment Length)

/r/progun feature	z-score	/r/liberalgunowners feature	z-score
govern	32.590	liber	45.591
law	29.144	democrat	35.052
homicid	24.001	parti	32.012
crime	23.794	nra	26.593
rate	23.029	sub	26.567
kill	22.506	republican	25.503
school	22.431	vote	23.241
citizen	21.702	issu	22.628
murder	21.478	voter	20.630
arm	21.317	libertarian	19.663
constitut	20.218	polit	18.925
knife	19.755	candid	18.509
gang	19.751	think	18.378
U.S.	19.610	conserv	17.446
crimin	19.135	lot	17.258
progun	18.695	elect	17.115
delet	18.115	dem	17.105
australia	17.941	rang	17.105
illeg	17.104	exclud	15.729
death	16.706	wing	15.717

Table B4: Top Twenty Distinguishing Features for /r/guns and /r/liberalgunowners (Without Filtering Based on Comment Length)

/r/guns feature	z-score	/r/liberalgunowners feature	z-score
barrel	83.573	peopl	169.520
post	82.915	right	127.240
look	82.607	liber	124.492
rifl	73.701	vote	113.573
mag	71.008	democrat	112.686
pistol	70.335	nra	100.589
round	70.322	support	98.539
stock	70.078	parti	94.953
trigger	69.098	law	94.410
nice	64.782	control	93.786
buy	63.770	violenc	90.474
rang	63.368	polit	89.466
glock	62.816	govern	87.564
ammo	62.454	amend	85.584
got	61.581	republican	85.126
grip	61.450	trump	79.259
sight	61.083	crime	78.941
thank	60.073	argument	78.518
price	59.492	conserv	77.322
u	58.378	owner	76.162

Table B5: Top Twenty Distinguishing Features for /r/guns and /r/progun (Without Filtering Based on Comment Length)

/r/guns feature	z-score	/r/progun feature	z-score
look	64.127	peopl	141.611
post	63.964	law	117.021
barrel	61.051	govern	114.975
pistol	57.463	right	110.750
rifl	57.243	crime	96.690
rang	56.361	amend	89.954
round	56.097	school	87.534
mag	53.459	control	85.501
trigger	53.389	murder	82.585
stock	49.507	argument	78.456
ammo	49.383	constitut	78.078
nice	48.979	kill	77.998
got	48.946	violenc	76.866
glock	46.386	citizen	75.474
buy	46.292	death	74.325
price	45.501	gun	74.949
one	43.975	countri	73.755
grip	43.802	crimin	73.211
u	43.239	state	71.527
thank	42.048	support	70.687

Figure B1: Example Document Feature Matrix (DFM)

Text of Two Example /r/liberalgunowners Comments

Comment A:	"The irony! Ever hear of that little group called ANTIFA?"
Comment B:	"For real. She has no idea the first gun control laws were blatantly racist."

Representation of Comment A and B in DFM, After Pre-Processing

		ironi	ever	hear	littl	group	call	antifa	real	idea	first	gun	control	law	blatant	racist
Comment ID	**A**	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
	B	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1