



Women, politics and Twitter: Using machine learning to change the discourse

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Why @ParityBOT?

 Diversity in representation around decision-making tables is important for the health of our democracies

@ParityBOT classifies hateful tweets sent to women

 \sim

0.4

0.2

0.0

 Women in politics are harassed on Twitter

 By posting positivitweets as an intervention against hate,
@ParityBOT aims to change the discourse and encourage women in politics

candidates and posts **positivitweets** in response

Following Hey @cathmckenna, YOU SUCK! 4:18 PM - 11 Sep 2019

47 Retweets 81 Likes

Q 12 1 47 V 81 M

Perspective API, HateSonar,

2019
Alberta
Election2019
Canada
ElectionTweets
Analysed12,726228,255Tweets
Scored14689987

So what?

"It did send a message in this election that there were people watching."

VADER Sentiment models			
	Hateful		
INSULT	0.26		
SEVERE_TOXICITY	0.25		
TOXICITY	0.24		
PROFANITY	0.21		
IDENTITY_ATTACK	0.19		
TOXICITY_FAST	0.18		
SEXUALLY_EXPLICIT	0.17		
LIKELY_TO_REJECT	0.16		
OBSCENE	0.15		
THREAT	0.15		
vader_neg	0.14		
sonar_hate_speech	0.13		
sonar_offensive_language	0.11		
FLIRTATION	0.088		
INFLAMMATORY	0.072		
ATTACK_ON_COMMENTER	0.061		
ATTACK_ON_AUTHOR	0.047		
vader_pos	-0.021		
SPAM	-0.085		
INCOHERENT	-0.099		
vader_neu	-0.11		
vader_compound	-0.11		
UNSUBSTANTIAL	-0.17		
sonar_neither	-0.18		

Hateful			
Positivi- tweets Sent	973	2428	
Hateful Tweet Rate	7.65%	4.38%	
Candidates Tracked	90	314	
ParityBOT @ParityBOT \cdot Oct 17 \checkmark Anyone can ask a woman to run for office. Women need to be asked several times. #askher to run! Oct 16, 22:42 \checkmark \bigcirc 1 , 3 \circlearrowright \triangle \square \square \square			

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