CS 3001-A: COMPUTING, SOCIETY, AND PROFESSIONALISM

Munmun De Choudhury Associate Professor | School of Interactive Computing

Week 10: Online Radicalization and Polarization March 13, 2024

A background on polarization

Dynamic Debates: An Analysis of Group Polarization Over Time on Twitter

Bulletin of Science, Technology & Society 30(5) 316–327
© 2010 SAGE Publications
Reprints and permission: http://www.sagepub.com/journalsPermissions.nav
DOI: 10.1177/0270467610380011
http://bsts.sagepub.com

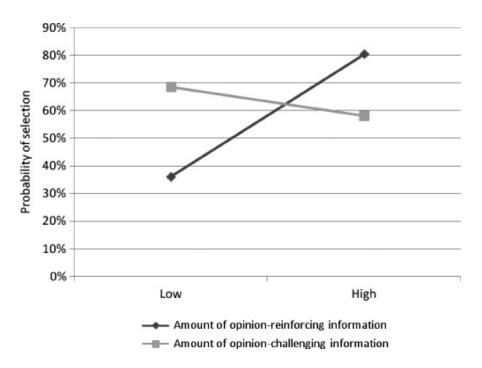


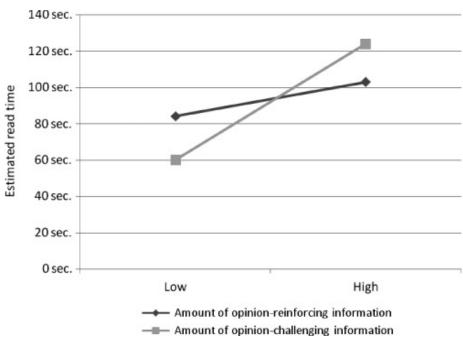
Sarita Yardi¹ and Danah Boyd²

Abstract

The principle of homophily says that people associate with other groups of people who are mostly like themselves. Many online communities are structured around groups of socially similar individuals. On Twitter, however, people are exposed to multiple, diverse points of view through the public timeline. The authors captured 30,000 tweets about the shooting of George Tiller, a late-term abortion doctor, and the subsequent conversations among pro-life and pro-choice advocates. They found that replies between like-minded individuals strengthen group identity, whereas replies between different-minded individuals reinforce in-group and out-group affiliation. Their results show that people are exposed to broader viewpoints than they were before but are limited in their ability to engage in meaningful discussion. They conclude with implications for different kinds of social participation on Twitter more generally.

Echo Chambers Online?: Politically Motivated Selective Exposure among Internet News Users





Bubble Trouble

Is Web personalization turning us into solipsistic twits?







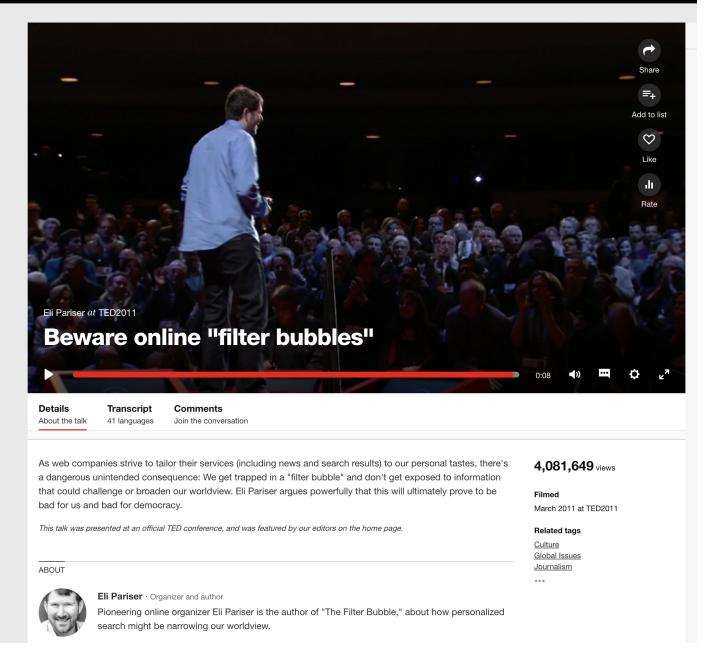
By Jacob Weisberg



The first conversation I ever had about the Internet was in 1993 with Robert Wright, who was then a colleague at the New Republic.

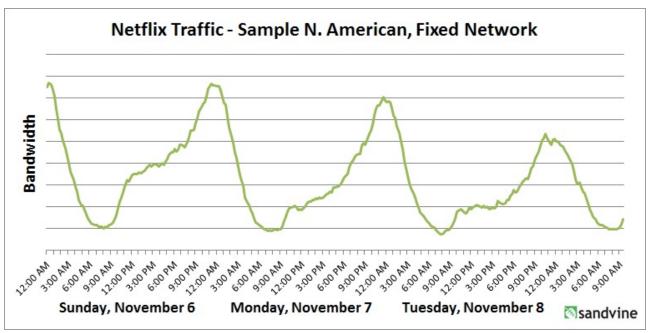
This "Net" thing was going to be a big deal, I remember Bob telling me, but it could create a few problems. One was that it was going to empower crazies, since geographically

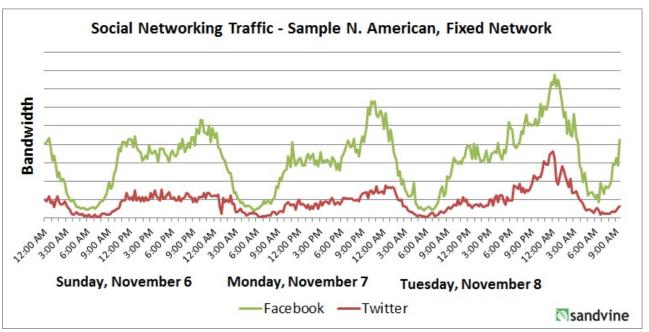
diffuse nut jobs of all sorts would be able to find each other online. Another was that it could hurt democratic culture by encouraging narrow-minded folk to burrow deeper into their holes. Wright spelled out those concerns in an **article** that stands as a model of prescience and a delightful time-capsule. ("People who 'post' on the Net's many different bulletin boards—its 'newsgroups'—know that their words can be seen from just about any chunk of inhabited turf on this planet.")



How did we get here? What do you think was the reasoning behind online platforms promoting/encouraging polarization or selective exposure?

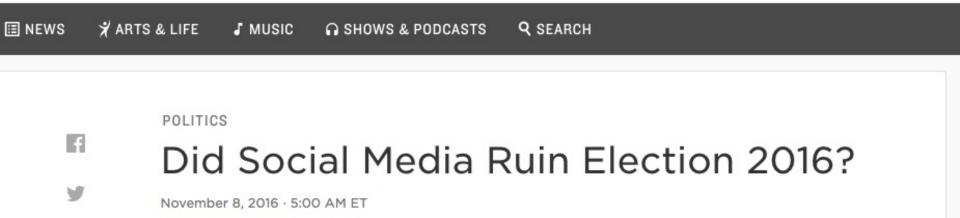
Influence in the political sphere: 62% of adults in the US use social media to consume news, and 18% of adults are frequent consumers – Pew Internet





http://www.internetphenomena.com/2016/11/us-election-2016-tv-trumps-the-internet/





One happens on Facebook all the time. Just about all of your friends are posting about the election, nonstop. And there are a few who brag about deleting friends, or who urge friends to unfriend them over their political leanings: "Just unfriend me now." Or something like "If you can't support candidate X/Y, we don't need to be friends anymore." Or "Congrats, if you're reading this, you survived my friend purge!"

SAM SANDERS

And then on Twitter, there's the public shaming of those who dare disagree with or insult you. (I am guilty of this.) Someone tweets at you with something incendiary, bashing the article you just shared or the point you just made, mocking something you said about politics, calling you stupid. You quote the tweet, maybe sarcastically, to prove it doesn't affect you. But it does! You tweeted it back, to all of your followers. It's an odd cycle. A rebuttal of nasty political exchanges by highlighting nasty political exchanges.



Search jobs

Sign in Q Search >

US edition ~

Your Filter Bubble is Destroying Democracy

Support The Guardian

2016 Presidential Election – Digital Analysis by the Numbers		
Hillary Clinton	Criteria	Donald Trump
238.5M	Total Social Media Shares	256.5M
16.633	Average Shares per Post	17,894
8.3M	Facebook Page Likes (Official Page)	12.2M
10.9M	Twitter Following (Official Page)	13.1M
32.9K	Number of Referring Domains	21.4K
1.51M	Number of Backlinks to Website	960K

TECHNOLOGY

Facebook, in Cross Hairs After Election, Is Said to Question Its Influence

By MIKE ISAAC NOV. 12, 2016











5 Follow

I want to share some thoughts on Facebook and the election.

Our goal is to give every person a voice. We believe deeply in people. Assuming that people understand what is important in their lives and that they can express those views has driven not only our community, but democracy overall. Sometimes when people use their voice though, they say things that seem wrong and they support people you disagree with.

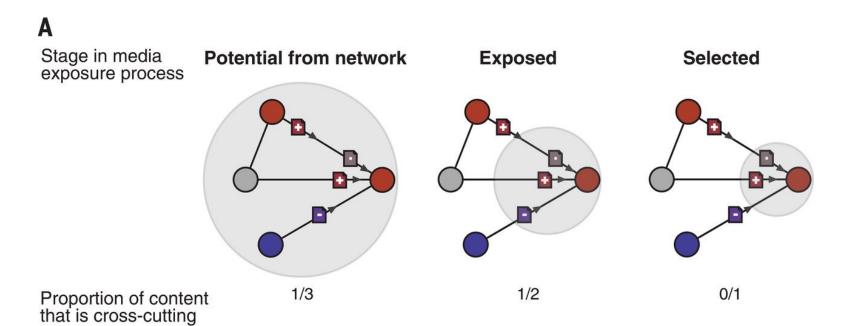
After the election, many people are asking whether fake news contributed to the result, and what our responsibility is to prevent fake news from spreading. These are very important questions and I care deeply about getting them right. I want to do my best to explain what we know here.

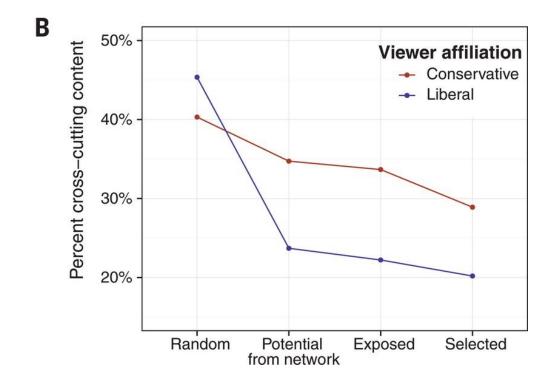
Of all the content on Facebook, more than 99% of what people see is authentic. Only a very small amount is fake news and hoaxes. The hoaxes that do exist are not limited to one partisan view, or even to politics. Overall, this makes it extremely unlikely hoaxes changed the outcome of this election in one direction or the other.

That said, we don't want any hoaxes on Facebook. Our goal is to show people the content they will find most meaningful, and people want accurate news. We have already launched work enabling our community to flag hoaxes and fake news, and there is more we can do here. We have made progress, and we will continue to work on this to improve further.

This is an area where I believe we must proceed very carefully though. Identifying the "truth" is complicated. While some hoaxes can be completely debunked, a greater amount of content, including from mainstream sources, often gets the basic idea right but some details wrong or omitted. An even greater volume of stories express an opinion that many will disagree with and flag as incorrect even when factual. I am confident we can find ways for our community to tell us what content is most meaningful, but I believe we must be extremely cautious about becoming arbiters of truth ourselves.

Exposure to ideologically diverse news and opinion on Facebook





"Zuckerberg defended the News Feed's progress arguing that the filter bubble isn't an issue for Facebook. He suggested the real problem is that people by nature engage with content they like and find agreeable, and dismiss things they don't agree with online as they would in real life." – Techcrunch

To what extent is it fair to put the onus or responsibility on people?



Exposure to opposing views on social media can increase political polarization

Christopher A. Bail^{a,1}, Lisa P. Argyle^b, Taylor W. Brown^a, John P. Bumpus^a, Haohan Chen^c, M. B. Fallin Hunzaker^d, Jaemin Lee^a, Marcus Mann^a, Friedolin Merhout^a, and Alexander Volfovsky^e

^aDepartment of Sociology, Duke University, Durham, NC 27708; ^bDepartment of Political Science, Brigham Young University, Provo, UT 84602; ^cDepartment of Political Science, Duke University, Durham, NC 27708; ^dDepartment of Sociology, New York University, New York, NY 10012; and ^eDepartment of Statistical Science, Duke University, Durham, NC 27708

Edited by Peter S. Bearman, Columbia University, New York, NY, and approved August 9, 2018 (received for review March 20, 2018)

There is mounting concern that social media sites contribute to political polarization by creating "echo chambers" that insulate people from opposing views about current events. We surveyed a large sample of Democrats and Republicans who visit Twitter at least three times each week about a range of social policy issues. One week later, we randomly assigned respondents to a treatment condition in which they were offered financial incentives to follow a Twitter bot for 1 month that exposed them to messages from those with opposing political ideologies (e.g., elected officials, opinion leaders, media organizations, and nonprofit groups). Respondents were resurveyed at the end of the month to measure the effect of this treatment, and at regular intervals throughout the study period to monitor treatment compliance. We find that Republicans who followed a liberal Twitter bot became substantially more con-

S V Z Z Z

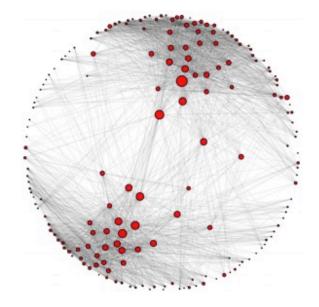
challenges for the study of social media echo chambers and political polarization, since it is notoriously difficult to establish whether social media networks shape political opinions, or vice versa (27–29).

Here, we report the results of a large field experiment designed to examine whether disrupting selective exposure to partisan information among Twitter users shapes their political attitudes. Our research is governed by three preregistered hypotheses. The first hypothesis is that disrupting selective exposure to partisan information will decrease political polarization because of intergroup contact effects. A vast literature indicates contact between opposing groups can challenge stereotypes that develop in the absence of positive interactions between them (30). Studies also indicate intergroup contact increases the likelihood of deliberation and political compromise (31–33). However, all of

If you were to re-design a tool that works on social media to reduce polarization, what would that tool look like? What would it do?

How to Burst the "Filter Bubble" that Protects Us from Opposing Views

Computer scientists have discovered a way to number-crunch an individual's own preferences to recommend content from others with opposing views. The goal? To burst the "filter bubble" that surrounds us with people we like and content that we agree with.

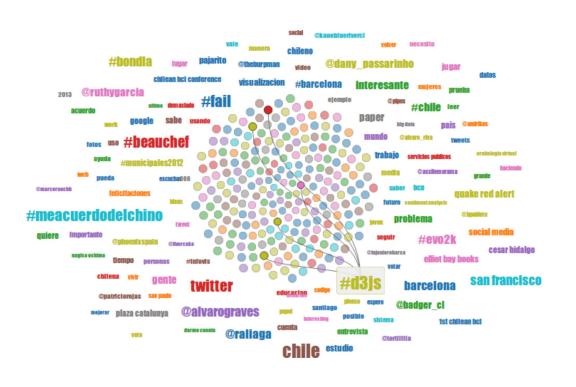


The term "filter bubble" entered the public domain back in 2011when the internet activist Eli Pariser coined it to refer to the way recommendation engines shield people from certain aspects of the real world.

Pariser used the example of two people who googled the term

Data Portraits: Connecting People of Opposing Views

Eduardo Graells-Garrido Universitat Pompeu Fabra Barcelona, Spain eduard.graells@upf.edu Mounia Lalmas Yahoo Labs London, UK mounia@acm.org Daniele Quercia Yahoo Labs Barcelona, Spain dquercia@yahoo-inc.com











Blue Feed, Red Feed

See Liberal Facebook and Conservative Facebook, Side by Side

By Jon Keegan

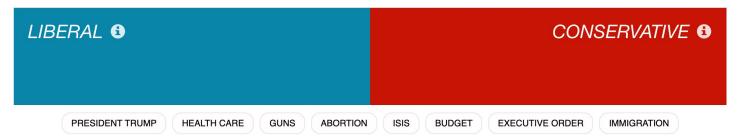
Published May 18, 2016 at 8:00 a.m. ET | Last Updated Aug. 19, 2019

This page has been archived and will no longer be updated.

FILTER ARCHIVED FEEDS BY TOPIC:

PRESIDENT TRUMP HEALTH CARE GUNS ABORTION ISIS BUDGET EXECUTIVE ORDER IMMIGRATION

PLEASE CHOOSE A TOPIC ABOVE



What makes reducing polarization in social computing systems challenging?

A deeper question (from TechCrunch): Why would [Facebook/Meta] want to change? And are people even ready for a fair Feed?