# Social Media and Fake News in the 2016 Election

# Hunt Allcott and Matthew Gentzkow

merican democracy has been repeatedly buffeted by changes in media technology. In the 19th century, cheap newsprint and improved presses allowed partisan newspapers to expand their reach dramatically. Many have argued that the effectiveness of the press as a check on power was significantly compromised as a result (for example, Kaplan 2002). In the 20th century, as radio and then television became dominant, observers worried that these new platforms would reduce substantive policy debates to sound bites, privilege charismatic or "telegenic" candidates over those who might have more ability to lead but are less polished, and concentrate power in the hands of a few large corporations (Lang and Lang 2002; Bagdikian 1983). In the early 2000s, the growth of online news prompted a new set of concerns, among them that excess diversity of viewpoints would make it easier for like-minded citizens to form "echo chambers" or "filter bubbles" where they would be insulated from contrary perspectives (Sunstein 2001a, b, 2007; Pariser 2011). Most recently, the focus of concern has shifted to social media. Social media platforms such as Facebook have a dramatically different structure than previous media technologies. Content can be relayed among users with no significant third party filtering, fact-checking, or editorial judgment. An individual user with no track record or reputation can in some cases reach as many readers as Fox News, CNN, or the New York Times.

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Following the 2016 election, a specific concern has been the effect of false stories—"fake news," as it has been dubbed—circulated on social media. Recent evidence shows that: 1) 62 percent of US adults get news on social media (Gottfried and Shearer 2016); 2) the most popular fake news stories were more widely shared on Facebook than the most popular mainstream news stories (Silverman 2016); 3) many people who see fake news stories report that they believe them (Silverman and Singer-Vine 2016); and 4) the most discussed fake news stories tended to favor Donald Trump over Hillary Clinton (Silverman 2016). Putting these facts together, a number of commentators have suggested that Donald Trump would not have been elected president were it not for the influence of fake news (for examples, see Parkinson 2016; Read 2016; Dewey 2016).

Our goal in this paper is to offer theoretical and empirical background to frame this debate. We begin by discussing the economics of fake news. We sketch a model of media markets in which firms gather and sell signals of a true state of the world to consumers who benefit from inferring that state. We conceptualize fake news as distorted signals uncorrelated with the truth. Fake news arises in equilibrium because it is cheaper to provide than precise signals, because consumers cannot costlessly infer accuracy, and because consumers may enjoy partisan news. Fake news may generate utility for some consumers, but it also imposes private and social costs by making it more difficult for consumers to infer the true state of the world—for example, by making it more difficult for voters to infer which electoral candidate they prefer.

We then present new data on the consumption of fake news prior to the election. We draw on web browsing data, a new 1,200-person post-election online survey, and a database of 156 election-related news stories that were categorized as false by leading fact-checking websites in the three months before the election.

First, we discuss the importance of social media relative to sources of political news and information. Referrals from social media accounted for a small share of traffic on mainstream news sites, but a much larger share for fake news sites. Trust in information accessed through social media is lower than trust in traditional outlets. In our survey, only 14 percent of American adults viewed social media as their "most important" source of election news.

Second, we confirm that fake news was both widely shared and heavily tilted in favor of Donald Trump. Our database contains 115 pro-Trump fake stories that were shared on Facebook a total of 30 million times, and 41 pro-Clinton fake stories shared a total of 7.6 million times.

Third, we provide several benchmarks of the rate at which voters were exposed to fake news. The upper end of previously reported statistics for the ratio of page visits to shares of stories on social media would suggest that the 38 million shares of fake news in our database translates into 760 million instances of a user clicking through and reading a fake news story, or about three stories read per American adult. A list of fake news websites, on which just over half of articles appear to be false, received 159 million visits during the month of the election, or 0.64 per US adult. In our post-election survey, about 15 percent of respondents recalled seeing each of 14

major pre-election fake news headlines, but about 14 percent also recalled seeing a set of placebo fake news headlines—untrue headlines that we invented and that never actually circulated. Using the difference between fake news headlines and placebo headlines as a measure of true recall and projecting this to the universe of fake news articles in our database, we estimate that the average adult saw and remembered 1.14 fake stories. Taken together, these estimates suggest that the average US adult might have seen perhaps one or several news stories in the months before the election.

Fourth, we study inference about true versus false news headlines in our survey data. Education, age, and total media consumption are strongly associated with more accurate beliefs about whether headlines are true or false. Democrats and Republicans are both about 15 percent more likely to believe ideologically aligned headlines, and this ideologically aligned inference is substantially stronger for people with ideologically segregated social media networks.

We conclude by discussing the possible impacts of fake news on voting patterns in the 2016 election and potential steps that could be taken to reduce any negative impacts of fake news. Although the term "fake news" has been popularized only recently, this and other related topics have been extensively covered by academic literatures in economics, psychology, political science, and computer science. See Flynn, Nyhan, and Reifler (2017) for a recent overview of political misperceptions. In addition to the articles we cite below, there are large literatures on how new information affects political beliefs (for example, Berinsky 2017; DiFonzo and Bordia 2007; Taber and Lodge 2006; Nyhan, Reifler, and Ubel 2013; Nyhan, Reifler, Richey, and Freed 2014), how rumors propagate (for example, Friggeri, Adamic, Eckles, and Cheng 2014), effects of media exposure (for example, Bartels 1993, DellaVigna and Kaplan 2007, Enikolopov, Petrova, and Zhuravskaya 2011, Gerber and Green 2000, Gerber, Gimpel, Green, and Shaw 2011, Huber and Arceneaux 2007, Martin and Yurukoglu 2014, and Spenkuch and Toniatti 2016; and for overviews, DellaVigna and Gentzkow 2010, and Napoli 2014), and ideological segregation in news consumption (for example, Bakshy, Messing, and Adamic 2015; Gentzkow and Shapiro 2011; Flaxman, Goel, and Rao 2016).

# **Background: The Market for Fake News**

#### **Definition and History**

We define "fake news" to be news articles that are intentionally and verifiably false, and could mislead readers. We focus on fake news articles that have political implications, with special attention to the 2016 US presidential elections. Our definition includes intentionally fabricated news articles, such as a widely shared article from the now-defunct website denverguardian.com with the headline, "FBI agent suspected in Hillary email leaks found dead in apparent murder-suicide." It also includes many articles that originate on satirical websites but could be misunderstood as factual, especially when viewed in isolation on Twitter or Facebook feeds. For example, in July 2016, the now-defunct website wtoe5news.com reported that

Pope Francis had endorsed Donald Trump's presidential candidacy. The WTOE 5 News "About" page disclosed that it is "a fantasy news website. Most articles on wtoe-5news.com are satire or pure fantasy," but this disclaimer was not included in the article. The story was shared more than one million times on Facebook, and some people in our survey described below reported believing the headline.

Our definition rules out several close cousins of fake news: 1) unintentional reporting mistakes, such as a recent incorrect report that Donald Trump had removed a bust of Martin Luther King Jr. from the Oval Office in the White House; 2) rumors that do not originate from a particular news article; 1 3) conspiracy theories (these are, by definition, difficult to verify as true or false, and they are typically originated by people who believe them to be true); 2 4) satire that is unlikely to be misconstrued as factual; 5) false statements by politicians; and 6) reports that are slanted or misleading but not outright false (in the language of Gentzkow, Shapiro, and Stone 2016, fake news is "distortion," not "filtering").

Fake news and its cousins are not new. One historical example is the "Great Moon Hoax" of 1835, in which the *New York Sun* published a series of articles about the discovery of life on the moon. A more recent example is the 2006 "Flemish Secession Hoax," in which a Belgian public television station reported that the Flemish parliament had declared independence from Belgium, a report that a large number of viewers misunderstood as true. Supermarket tabloids such as the *National Enquirer* and the *Weekly World News* have long trafficked in a mix of partially true and outright false stories.

Figure 1 lists 12 conspiracy theories with political implications that have circulated over the past half-century. Using polling data compiled by the American Enterprise Institute (2013), this figure plots the share of people who believed each statement is true, from polls conducted in the listed year. For example, substantial minorities of Americans believed at various times that Franklin Roosevelt had prior knowledge of the Pearl Harbor bombing, that Lyndon Johnson was involved in the Kennedy assassination, that the US government actively participated in the 9/11 bombings, and that Barack Obama was born in another country.

The long history of fake news notwithstanding, there are several reasons to think that fake news is of growing importance. First, barriers to entry in the media industry have dropped precipitously, both because it is now easy to set up websites and because it is easy to monetize web content through advertising platforms. Because reputational concerns discourage mass media outlets from knowingly reporting false stories, higher entry barriers limit false reporting. Second, as we discuss below, social media are well-suited for fake news dissemination, and social

<sup>&</sup>lt;sup>1</sup> Sunstein (2007) defines rumors as "claims of fact—about people, groups, events, and institutions—that have not been shown to be true, but that move from one person to another, and hence have credibility not because direct evidence is available to support them, but because other people seem to believe them."

<sup>&</sup>lt;sup>2</sup>Keeley (1999) defines a conspiracy theory as "a proposed explanation of some historical event (or events) in terms of the significant causal agency of a relatively small group of persons—the conspirators—acting in secret."

1975: The assassination of Martin Luther King was the act of part of a large conspiracy 1991: President Franklin Roosevelt knew Japanese plans to bomb Pearl Harbor but did nothing 1994: The Nazi extermination of millions of Jews did not take place 1995: FBI deliberately set the Waco fire in which the Branch Davidians died 1995: US government bombed the government building in Oklahoma City to blame extremist groups 1995: Vincent Foster, the former aide to President Bill Clinton, was murdered 1999: The crash of TWA Flight 800 over Long Island was an accidental strike by a US Navy missile 2003: Lyndon Johnson was involved in the assassination of John Kennedy in 1963 2003: Bush administration purposely misled the public about evidence that Iraq had banned weapons 2007: US government knew the 9/11 attacks were coming but consciously let them proceed 2007: US government actively planned or assisted some aspects of the 9/11 attacks 2010: Barack Obama was born in another country 0 10 20 30 40 50 60 Share of people who believe it is true (%)

Figure 1
Share of Americans Believing Historical Partisan Conspiracy Theories

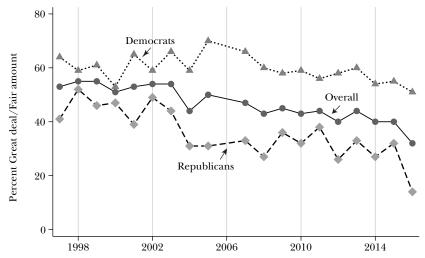
*Note:* From polling data compiled by the American Enterprise Institute (2013), we selected all conspiracy theories with political implications. This figure plots the share of people who report believing the statement listed, using opinion polls from the date listed.

media use has risen sharply: in 2016, active Facebook users per month reached 1.8 billion and Twitter's approached 400 million. Third, as shown in Figure 2A, Gallup polls reveal a continuing decline of "trust and confidence" in the mass media "when it comes to reporting the news fully, accurately, and fairly." This decline is more marked among Republicans than Democrats, and there is a particularly sharp drop among Republicans in 2016. The declining trust in mainstream media could be both a cause and a consequence of fake news gaining more traction. Fourth, Figure 2B shows one measure of the rise of political polarization: the increasingly negative feelings each side of the political spectrum holds toward the other. As we

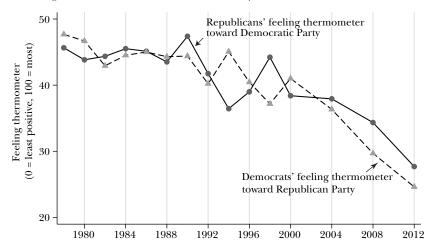
<sup>&</sup>lt;sup>3</sup>The extent to which polarization of voters has increased, along with the extent to which it has been driven by shifts in attitudes on the right or the left or both, are widely debated topics. See Abramowitz and Saunders (2008), Fiorina and Abrams (2008), Prior (2013), and Lelkes (2016) for reviews.

Figure 2
Trends Related to Fake News





B: Feeling Thermometer toward Other Political Party



*Note:* Panel A shows the percent of Americans who say that they have "a great deal" or "a fair amount" of "trust and confidence" in the mass media "when it comes to reporting the news fully, accurately, and fairly," using Gallup poll data reported in Swift (2016). Panel B shows the average "feeling thermometer" (with 100 meaning "very warm or favorable feeling" and 0 meaning "very cold or unfavorable feeling") of Republicans toward the Democratic Party and of Democrats toward the Republican Party, using data from the American National Election Studies (2012).

discuss below, this could affect how likely each side is to believe negative fake news stories about the other.

#### Who Produces Fake News?

Fake news articles originate on several types of websites. For example, some sites are established entirely to print intentionally fabricated and misleading articles, such as the above example of denverguardian.com. The names of these sites are often chosen to resemble those of legitimate news organizations. Other satirical sites contain articles that might be interpreted as factual when seen out of context, such as the above example of wtoe5news.com. Still other sites, such as endingthefed.com, print a mix between factual articles, often with a partisan slant, along with some false articles. Websites supplying fake news tend to be short-lived, and many that were important in the run-up to the 2016 election no longer exist.

Anecdotal reports that have emerged following the 2016 election provide a partial picture of the providers behind these sites. Separate investigations by BuzzFeed and the *Guardian* revealed that more than 100 sites posting fake news were run by teenagers in the small town of Veles, Macedonia (Subramanian 2017). Endingthefed.com, a site that was responsible for four of the ten most popular fake news stories on Facebook, was run by a 24-year-old Romanian man (Townsend 2016). A US company called Disinfomedia owns many fake news sites, including NationalReport.net, USAToday.com.co, and WashingtonPost.com.co, and its owner claims to employ between 20 and 25 writers (Sydell 2016). Another US-based producer, Paul Horner, ran a successful fake news site called National Report for years prior to the election (Dewey 2014). Among his most-circulated stories was a 2013 report that President Obama used his own money to keep open a Muslim museum during the federal government shutdown. During the election, Horner produced a large number of mainly pro-Trump stories (Dewey 2016).

There appear to be two main motivations for providing fake news. The first is pecuniary: news articles that go viral on social media can draw significant advertising revenue when users click to the original site. This appears to have been the main motivation for most of the producers whose identities have been revealed. The teenagers in Veles, for example, produced stories favoring both Trump and Clinton that earned them tens of thousands of dollars (Subramanian 2017). Paul Horner produced pro-Trump stories for profit, despite claiming to be personally opposed to Trump (Dewey 2016). The second motivation is ideological. Some fake news providers seek to advance candidates they favor. The Romanian man who ran endingthefed. com, for example, claims that he started the site mainly to help Donald Trump's campaign (Townsend 2016). Other providers of right-wing fake news actually say they identify as left-wing and wanted to embarrass those on the right by showing that they would credulously circulate false stories (Dewey 2016; Sydell 2016).

## A Model of Fake News

How is fake news different from biased or slanted media more broadly? Is it an innocuous form of entertainment, like fictional films or novels? Or does it have larger social costs? To answer these questions, we sketch a model of supply and demand for news loosely based on a model developed formally in Gentzkow, Shapiro, and Stone (2016).

There are two possible unobserved states of the world, which could represent whether a left- or right-leaning candidate will perform better in office. Media firms receive signals that are informative about the true state, and they may differ in the precision of these signals. We can also imagine that firms can make costly investments to increase the accuracy of these signals. Each firm has a reporting strategy that maps from the signals it receives to the news reports that it publishes. Firms can either decide to report signals truthfully, or alternatively to add bias to reports.

Consumers are endowed with heterogeneous priors about the state of the world. Liberal consumers' priors hold that the left-leaning candidate will perform better in office, while conservative consumers' priors hold that the right-leaning candidate will perform better. Consumers receive utility through two channels. First, they want to know the truth. In our model, consumers must choose an action, which could represent advocating or voting for a candidate, and they receive private benefits if they choose the candidate they would prefer if they were fully informed. Second, consumers may derive psychological utility from seeing reports that are consistent with their priors. Consumers choose the firms from which they will consume news in order to maximize their own expected utility. They then use the content of the news reports they have consumed to form a posterior about the state of the world. Thus, consumers face a tradeoff: they have a private incentive to consume precise and unbiased news, but they also receive psychological utility from confirmatory news.

After consumers choose their actions, they may receive additional feedback about the true state of the world—for example, as a candidate's performance is observed while in office. Consumers then update their beliefs about the quality of media firms and choose which to consume in future periods. The profits of media firms increase in their number of consumers due to advertising revenue, and media firms have an incentive to build a reputation for delivering high levels of utility to consumers. There are also positive social externalities if consumers choose the higher-quality candidate.

In this model, two distinct incentives may lead firms to distort their reports in the direction of consumers' priors. First, when feedback about the true state is limited, rational consumers will judge a firm to be higher quality when its reports are closer to the consumers' priors (Gentzkow and Shapiro 2006). Second, consumers may prefer reports that confirm their priors due to psychological utility (Mullainathan and Shleifer 2005). Gentzkow, Shapiro, and Stone (2016) show how these incentives can lead to biased reporting in equilibrium, and apply variants of this model to understand outcomes in traditional "mainstream" media.

How would we understand fake news in the context of such a model? Producers of fake news are firms with two distinguishing characteristics. First, they make no investment in accurate reporting, so their underlying signals are uncorrelated with the true state. Second, they do not attempt to build a long-term reputation for

quality, but rather maximize the short-run profits from attracting clicks in an initial period. Capturing precisely how this competition plays out on social media would require extending the model to include multiple steps where consumers see "headlines" and then decide whether to "click" to learn more detail. But loosely speaking, we can imagine that such firms attract demand because consumers cannot distinguish them from higher-quality outlets, and also because their reports are tailored to deliver psychological utility to consumers on either the left or right of the political spectrum.

Adding fake news producers to a market has several potential social costs. First, consumers who mistake a fake outlet for a legitimate one have less-accurate beliefs and are worse off for that reason. Second, these less-accurate beliefs may reduce positive social externalities, undermining the ability of the democratic process to select high-quality candidates. Third, consumers may also become more skeptical of legitimate news producers, to the extent that they become hard to distinguish from fake news producers. Fourth, these effects may be reinforced in equilibrium by supply-side responses: a reduced demand for high-precision, low-bias reporting will reduce the incentives to invest in accurate reporting and truthfully report signals. These negative effects trade off against any welfare gain that arises from consumers who enjoy reading fake news reports that are consistent with their priors.

#### Real Data on Fake News

#### Fake News Database

We gathered a database of fake news articles that circulated in the three months before the 2016 election, using lists from three independent third parties. First, we scraped all stories from the Donald Trump and Hillary Clinton tags on Snopes (snopes.com), which calls itself "the definitive Internet reference source for urban legends, folklore, myths, rumors, and misinformation." Second, we scraped all stories from the 2016 presidential election tag from PolitiFact (politifact.com), another major fact-checking site. Third, we use a list of 21 fake news articles that had received significant engagement on Facebook, as compiled by the news outlet BuzzFeed (Silverman 2016). Combining these three lists, we have a database of 156 fake news articles. We then gathered the total number of times each article was shared on Facebook as of early December 2016, using an online content database called BuzzSumo (buzzsumo.com). We code each article's content as either pro-Clinton (including anti-Trump) or pro-Trump (including anti-Clinton).

This list is a reasonable but probably not comprehensive sample of the major fake news stories that circulated before the election. One measure of comprehensiveness is to look at the overlap between the lists of stories from Snopes, PolitiFact, and BuzzFeed. Snopes is our largest list, including 138 of our total of 156 articles. As

<sup>&</sup>lt;sup>4</sup>Of these 21 articles, 12 were fact-checked on Snopes. Nine were rated as "false," and the other three were rated "mixture," "unproven," and "mostly false."

a benchmark, 12 of the 21 articles in the BuzzFeed list appear in Snopes, and 4 of the 13 articles in the PolitiFact appear in Snopes. The lack of perfect overlap shows that none of these lists is complete and suggests that there may be other fake news articles that are omitted from our database.

#### **Post-Election Survey**

During the week of November 28, 2016, we conducted an online survey of 1208 US adults aged 18 and over using the SurveyMonkey platform. The sample was drawn from SurveyMonkey's Audience Panel, an opt-in panel recruited from the more than 30 million people who complete SurveyMonkey surveys every month (as described in more detail at https://www.surveymonkey.com/mp/audience/).

The survey consisted of four sections. First, we acquired consent to participate and a commitment to provide thoughtful answers, which we hoped would improve data quality. Those who did not agree were disqualified from the survey. Second, we asked a series of demographic questions, including political affiliation before the 2016 campaign, vote in the 2016 presidential election, education, and race/ethnicity. Third, we asked about 2016 election news consumption, including time spent on reading, watching, or listening to election news in general and on social media in particular, and the most important source of news and information about the 2016 election. Fourth, we showed each respondent 15 news headlines about the 2016 election. For each headline, we asked, "Do you recall seeing this reported or discussed prior to the election?" and "At the time of the election, would your best guess have been that this statement was true?" We also received age and income categories, gender, and census division from profiling questions that respondents had completed when they first started taking surveys on the Audience panel. The survey instrument can be accessed at https://www.surveymonkey.com/r/RSYD75P.

Each respondent's 15 news headlines were randomly selected from a list of 30 news headlines, six from each of five categories. Within each category, our list contains an equal split of pro-Clinton and pro-Trump headlines, so 15 of the 30 articles favored Clinton, and the other 15 favored Trump. The first category contains six fake news stories mentioned in three mainstream media articles (one in the *New York Times*, one in the *Wall Street Journal*, and one in BuzzFeed) discussing fake news during the week of November 14, 2016. The second category contains the four most recent pre-election headlines from each of Snopes and PolitiFact deemed to be unambiguously false. We refer to these two categories individually as "Big Fake" and "Small Fake," respectively, or collectively as "Fake." The third category contains the most recent six major election stories from the *Guardian's* election timeline. We refer to these as "Big True" stories. The fourth category contains the two most recent pre-election headlines from each of Snopes and PolitiFact deemed to be unambiguously true. We refer to these as "Small True" stories. Our headlines in these four categories appeared on or before November 7.

The fifth and final category contains invented "Placebo" fake news headlines, which parallel placebo conspiracy theories employed in surveys by Oliver and Wood (2014) and Chapman University (2016). As we explain below, we include these

Placebo headlines to help control for false recall in survey responses. We invented three damaging fake headlines that could apply to either Clinton or Trump, then randomized whether a survey respondent saw the pro-Clinton or pro-Trump version. We experimented with several alternative placebo headlines during a pilot survey, and we chose these three because the data showed them to be approximately equally believable as the "Small Fake" stories. (We confirmed using Google searches that none of the Placebo stories had appeared in actual fake news articles.) Online Appendix Table 1, available with this article at this journal's website (http://e-jep.org), lists the exact text of the headlines presented in the survey. The online Appendix also presents a model of survey responses that makes precise the conditions under which differencing with respect to the placebo articles leads to valid inference.

Yeager et al. (2011) and others have shown that opt-in internet panels such as ours typically do not provide nationally representative results, even after reweighting. Notwithstanding, reweighting on observable variables such as education and internet usage can help to address the sample selection biases inherent in an opt-in internet-based sampling frame. For all results reported below, we reweight the online sample to match the nationwide adult population on ten characteristics that we hypothesized might be correlated with survey responses, including income, education, gender, age, ethnicity, political party affiliation, and how often the respondent reported consuming news from the web and from social media. The online Appendix includes summary statistics for these variables; our unweighted sample is disproportionately well-educated, female, and Caucasian, and those who rely relatively heavily on the web and social media for news. The Appendix also includes additional information on data construction.

## Social Media as a Source of Political Information

The theoretical framework we sketched above suggests several reasons why social media platforms may be especially conducive to fake news. First, on social media, the fixed costs of entering the market and producing content are vanishingly small. This increases the relative profitability of the small-scale, short-term strategies often adopted by fake news producers, and reduces the relative importance of building a long-term reputation for quality. Second, the format of social media—thin slices of information viewed on phones or news feed windows—can make it difficult to judge an article's veracity. Third, Bakshy, Messing, and Adamic (2015) show that Facebook friend networks are ideologically segregated—among friendships between people who report ideological affiliations in their profiles, the median share of friends with the opposite ideology is only 20 percent for liberals and 18 percent for conservatives—and people are considerably more likely to read and share news articles that are aligned with their ideological positions. This suggests that people who get news from Facebook (or other social media) are less likely to receive evidence about the true state of the world that would counter an ideologically aligned but false story.

Other Social links engines media Top news sites 106 30.6 Other Social Search Fake news sites browsing 30.5 links engines media 22.0 0 20 80 100 40 60 Weighted average of percentage (%)

Figure 3
Share of Visits to US News Websites by Source

*Note:* This figure presents the share of traffic from different sources for the top 690 US news websites and for 65 fake news websites. "Other links" means impressions that were referred from sources other than search engines and social media. "Direct browsing" means impressions that did not have a referral source. Sites are weighted by number of monthly visits. Data are from Alexa.

One way to gauge the importance of social media for fake news suppliers is to measure the source of their web traffic. Each time a user visits a webpage, that user has either navigated directly (for example, by typing www.wsj.com into a browser) or has been referred from some other site. Major referral sources include social media (for example, clicking on a link in the Facebook news feed) and search engines (for example, searching for "Pope endorsed Trump?" on Google and clicking on a search result). Figure 3 presents web traffic sources for the month around the 2016 US presidential election (late October through late November) from Alexa (alexa.com), which gathers data from browser extensions installed on people's computers as well as from measurement services offered to websites. These data exclude mobile browsing and do not capture news viewed directly on social media sites, for example, when people read headlines within Facebook or Twitter news feeds.

The upper part of the graph presents referral sources for the top 690 US news sites, as ranked by Alexa. The lower part of the graph presents web traffic sources for a list of 65 major fake news sites, which we gathered from lists compiled by Zimdars (2016) and Brayton (2016). For the top news sites, social media referrals represent only about 10 percent of total traffic. By contrast, fake news websites rely on social

media for a much higher share of their traffic. This demonstrates the importance of social media for fake news providers. While there is no definitive list of fake news sites, and one might disagree with the inclusion or exclusion of particular sites in this list of 65, this core point about the importance of social media for fake news providers is likely to be robust.

A recent Pew survey (Gottfried and Shearer 2016) finds that 62 percent of US adults get news from social media. To the extent that fake news is socially costly and fake news is prevalent on social media, this statistic could appear to be cause for concern. Of this 62 percent, however, only 18 percent report that they get news from social media "often," 26 percent do so "sometimes," and 18 percent do so "hardly ever." By comparison, the shares who "often" get news from local television, national broadcast television, and cable television are 46 percent, 30 percent, and 31 percent respectively. Moreover, only 34 percent of web-using adults trust the information they get from social media "some" or "a lot." By contrast, this share is 76 percent for national news organizations and 82 percent for local news organizations.

The results of our post-election survey are broadly consistent with this picture. For the month before the 2016 election, our respondents report spending 66 minutes per day reading, watching, or listening to election news. (Again, these and all other survey results are weighted for national representativeness.) Of this, 25 minutes (38 percent) was on social media. Our survey then asked, "Which of these sources was your most important source of news and information about the 2016 election?" The word "important" was designed to elicit a combination of consumption frequency and trust in information. Figure 4 presents responses. In order, the four most common responses are cable TV, network TV, websites, and local TV. Social media is the fifth most common response, with 14 percent of US adults listing social media as their most "important" news source.

Taken together, these results suggest that social media have become an important but not dominant source of political news and information. Television remains more important by a large margin.

# Partisanship of Fake News

In our fake news database, we record 41 pro-Clinton (or anti-Trump) and 115 pro-Trump (or anti-Clinton) articles, which were shared on Facebook a total of 7.6 million and 30.3 million times, respectively. Thus, there are about three times more fake pro-Trump articles than pro-Clinton articles, and the average pro-Trump article was shared more on Facebook than the average pro-Clinton article. To be clear, these statistics show that more of the fake news articles *on these three fact-checking sites* are right-leaning. This could be because more of the actual fake news is right-leaning, or because more right-leaning assertions are forwarded to and/or reported by fact-checking sites, or because the conclusions that fact-checking sites draw have a left-leaning bias, or some combination. Some anecdotal reports support the idea that the majority of election-related fake news was pro-Trump: some fake

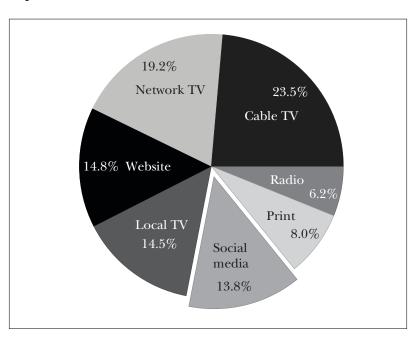


Figure 4
Most Important Source of 2016 Election News

*Notes*: Our post-election survey asked, "Which of these sources was your most important source of news and information about the 2016 election?" This figure plots responses. Observations are weighted for national representativeness.

news providers reportedly found higher demand for pro-Trump (or anti-Clinton) fake news, and responded by providing more of it (Sydell 2016).

There could be several possible explanations for a preponderance of pro-Trump fake news. The more marked decline of trust in the mainstream media among Republicans shown in Figure 2 could have increased their relative demand for news from nontraditional sources, as could a perception that the mainstream media tended to favor Clinton. Pro-Trump (and anti-Clinton) storylines may have simply been more compelling than pro-Clinton (and anti-Trump) storylines due to particulars of these candidates, perhaps related to the high levels of media attention that Trump received throughout the campaign. Or, it could theoretically be that Republicans are for some reason more likely to enjoy or believe fake news.

Some prior evidence argues against the last hypothesis. McClosky and Chong (1985) and Uscinski, Klofstad, and Atkinson (2016) find that people on the left and right are equally disposed to conspiratorial thinking. Furthermore, Bakshy, Messing, and Adamic (2015) find that conservatives are actually exposed to more cross-cutting news content than liberals, which could help conservatives to be better at detecting partisan fake news. Below, we present further evidence on this hypothesis from our survey.

# **Exposure to Fake News**

How much fake news did the typical voter see in the run-up to the 2016 election? While there is a long literature measuring media exposure (for example, Price and Zaller 1993), fake news presents a particular challenge: much of its circulation is on Facebook (and other social media) news feeds, and these data are not public. We provide three benchmarks for election-period fake news exposure, which we report as average exposure for each of the 248 million American adults.

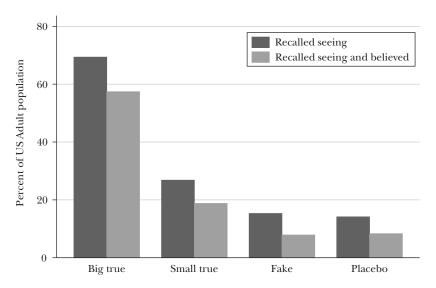
First, we can use prior evidence to predict the number of times the articles in our database were read based on the number of times they were shared. The corporate website of Eventbrite (2012) reports that links to its events on Facebook generate 14 page visits per share. A blog post by Jessica Novak (undated) reports that for a set of "top performing" stories on Facebook the ratio of visits to shares was also 14. Zhao, Wang, Tao, Ma, and Guan (2013) report that the ratio of views to shares for videos on the Chinese social networking site Renren ranges from 3 to 8. Based on these very rough reference points, we consider a ratio of 20 page visits per share as an upper bound on the plausible range. This implies that the 38 million shares of fake news in our database translate into 760 million page visits, or about three visits per US adult.

Second, we can use web browsing data to measure impressions on fake news websites. For the month around the 2016 election, there were 159 million impressions on the 65 websites in the bottom part of Figure 3, or 0.64 impressions per adult. This is dwarfed by the 3 billion impressions on the 665 top news websites over the same period. Furthermore, not all content on these 65 sites is false: in a random sample of articles from these sites, we categorized just under 55 percent as false, either because the claim was refuted by a mainstream news site or fact-checking organization, or because the claim was not covered on any other sites despite being important enough that it would have been covered on other sites if it were true. When comparing these first two approaches to estimating election-period fake news exposure, remember that the first approach uses cumulative Facebook shares as of early December 2016 for fake news articles that were fact-checked in the three months before the election, while the second approach uses web traffic from a one month period between late October to late November 2016.

Third, we can use our post-election survey to estimate the number of articles respondents saw and remembered. The survey gave respondents 15 news head-lines—three headlines randomly selected from each of the five categories detailed earlier—and asked if they recalled seeing the headline ("Do you recall seeing this reported or discussed prior to the election?") and if they believed it ("At the time of the election, would your best guess have been that this statement was true?").

Figure 5 presents the share of respondents that recalled seeing (left bar) and seeing and believing (right bar) headlines, averaging responses across all the headlines within each of our main categories. Rates of both seeing and believing are much higher for true than fake stories, and they are substantially higher for the "Big True" headlines (the major headlines leading up to the election) than for the

 $\label{eq:Figure 5} Figure \, 5$  Percent of US Adult Population that Recall Seeing or that Believed Election News



Notes: In our post-election survey, we presented 15 headlines. For each headline, the survey asked whether respondents recall seeing the headline ("Do you recall seeing this reported or discussed before the election?") and whether they believed it ("At the time of the election, would your best guess have been that this statement was true?"). The left bars present the share of respondents who recall seeing the headlines in each category, and the right bars present the share of respondents who recall seeing and believed the headlines. "Big True" headlines are major headlines leading up to the election; "Small True" headlines are the minor fact-checked headlines that we gathered from Snopes and PolitiFact. The Placebo fake news headlines were made-up for the research and never actually circulated. Observations are weighted for national representativeness.

"Small True" headlines (the minor fact-checked headlines that we gathered from Snopes and PolitiFact). The Placebo fake news articles, which never actually circulated, are approximately equally likely to be recalled and believed as the Fake news articles which did actually circulate. This implies that there is a meaningful rate of false recall of articles that people never actually saw, which could cause the survey measure to significantly overstate true exposure. On the other hand, people likely forgot some of the Fake articles that they were actually exposed to, which causes the survey responses to understate true exposure.

In summary, one can think of recalled exposure as determined both by actual exposure and by the headline's perceived plausibility—people might think that if a headline is plausible, they probably saw it reported somewhere. Then, we show that if the Placebo headlines are equally plausible as the Fake headlines, the difference between recall of Fake and Placebo headlines represents the rate of true exposure that was remembered. The Appendix available online with this paper at http://e-jep.org presents additional theoretical and empirical discussion of false recall in our data.

After weighting for national representativeness, 15 percent of survey respondents recalled seeing the Fake stories, and 8 percent both recalled seeing the story and said they believed it.<sup>5</sup> By comparison, about 14 percent of people report seeing the placebo stories, and about 8 percent report seeing and believing them. We estimate that the average Fake headline was 1.2 percentage points more likely to be seen and recalled than the average Placebo headline, and the 95 percent confidence interval allows us to exclude differences greater than 2.9 percent.

We can use these results to provide a separate estimate of fake news exposure. The average Fake article that we asked about in the post-election survey was shared 0.386 million times on Facebook. If the average article was seen and recalled by 1.2 percent of American adults, this gives  $(0.012 \text{ recalled exposure})/(0.386 \text{ million shares}) \approx 0.03$  chance of a recalled exposure per million Facebook shares. Given that the Fake articles in our database had 38 million Facebook shares, this implies that the average adult saw and remembered  $0.03/\text{million} \times 38 \text{ million} \approx 1.14 \text{ fake news articles from our fake news database}.$ 

All three approaches suggest that election-period fake news exposure was on the order of one or perhaps several articles read per adult. We emphasize several important caveats. First, each of these measures excludes some forms of exposure that could have been influential. All of them exclude stories or sites omitted from our database. Estimated page visits or impressions exclude cases in which users saw a story within their Facebook news feed but did not click through to read it. Our survey-based recall measure excludes stories that users saw but did not remember, and may be subject to other biases associated with survey-based estimates of media exposure (Bartels 1993; Prior 2009; Guess 2015).

## Who Believes Fake News?

It is both privately and socially valuable when people can infer the true state of the world. What factors predict the ability to distinguish between real and fake news? This analysis parallels a literature in political science measuring and interpreting correlates of misinformation, including Lewandowsky, Oberauer, and Gignac (2013), Malka, Krosnick, and Langer (2009), and Oliver and Wood (2014).

We construct a variable  $C_{ia}$ , that takes value 1 if survey respondent i correctly identifies whether article a is true or false, 0.5 if respondent i is "not sure," and value 0 otherwise. For example, if headline a is true, then  $C_{ia}$  takes value 1 if person i responded "Yes" to "would your best guess have been that this statement was true?"; 0.5 if person i responded "Not sure"; and 0 if person i responded "No." We use  $C_{ia}$ 

<sup>&</sup>lt;sup>5</sup>These shares are broadly consistent with the results of a separate survey conducted by Silverman and Singer-Vine (2016): for a set of five fake news stories, they find that the share of respondents who have heard them ranges from 10 to 22 percent and the share who rate them as "very accurate" ranges from 28 to 49 percent.

as the dependent variable and a vector  $\mathbf{X}_i$  of individual characteristics in a linear regression:

$$C_{ia} = \alpha_1 \mathbf{X}_i + \alpha_0 + \varepsilon_{ia}$$
.

Table 1 reports results. Column 1 includes only false articles (both Fake and Placebo), and focuses only on party affiliation; the omitted category is Independents. In these data, it is indeed true that Republicans were statistically less likely than Democrats to report that they (correctly) did not believe a false article. Column 2 includes only true articles (both Big True and Small True categories). This suggests that Republicans are also more likely than Democrats to correctly believe articles that were true (p = 0.124). These results suggest that in our data, Republicans were not generally worse at inference: instead, they tended to be more credulous of both true and false articles. Of course, it is possible that this is simply an artifact of how different respondents interpreted the survey design. For example, it could be that Republicans tended to expect a higher share of true headlines in our survey, and thus were less discerning.

Another possible explanation is that the differences between parties hide other factors associated with party affiliation. Columns 3 and 4 test this possibility, including a vector of additional covariates. The differences between the Democrat and Republican indicator variables are relatively robust. Column 5 includes all articles, which weights true and false articles by the proportions in our survey sample. Given that our survey included a large proportion of fake articles that Republicans were less likely to recognize as false, Democrats are overall more likely to correctly identify true versus false articles. Three correlations tend to be statistically significant: people who spend more time consuming media, people with higher education, and older people have more accurate beliefs about news. As with Republicans relative to Democrats, people who report that social media were their most important sources of election news were more likely both to correctly believe true headlines and to incorrectly believe false headlines.

The association of education with correct beliefs should be highlighted. Flynn, Nyhan, and Reifler (2017) argue that education could have opposing effects on political misperceptions. On the one hand, education should increase people's ability to discern fact from fiction. On the other hand, in the presence of motivated reasoning, education gives people better tools to counterargue against incongruent information. To the extent that the association in our data is causal, it would reinforce many previous arguments that the social return to education includes cognitive abilities that better equip citizens to make informed voting decisions. For example, Adam Smith (1776) wrote, "The more [people] are instructed, the less liable they are to the delusions of enthusiasm and superstition, which, among ignorant nations, frequently occasion the most dreadful disorders."

A common finding in the survey literature on rumors, conspiracy theories, and factual beliefs is that partisan attachment is an important predictor of beliefs (for example, Oliver and Wood 2014; Uscinski, Klofstad, and Atkinson 2016).

Table 1
What Predicts Correct Beliefs about News Headlines?

	(1)	(2)	(3)	(4)	(5)
Democrat	0.029 (0.020)	-0.004 (0.023)	0.028 (0.019)	-0.010 (0.021)	0.015 (0.013)
Republican	-0.024 (0.024)	0.040 $(0.027)$	-0.037* (0.020)	0.021 (0.023)	-0.018 (0.014)
ln(Daily media time)			-0.002 (0.007)	0.042*** (0.008)	0.013*** (0.004)
Social media most important			-0.066*** (0.025)	0.065*** (0.024)	-0.023 (0.016)
Use social media			0.014 (0.030)	-0.023 (0.038)	0.002 (0.019)
Social media ideological segregation			-0.027 (0.036)	0.028 (0.046)	-0.008 $(0.024)$
Education			0.014*** (0.004)	0.004 (0.004)	0.011*** (0.003)
Undecided			-0.011 (0.017)	0.006 (0.022)	-0.005 (0.013)
Age			0.002*** (0.000)	0.000 (0.001)	0.002*** (0.000)
N	12,080	6,040	12,080	6,040	18,120
<i>p</i> -value (Democrat = Republican)	0.029	0.124	0.004	0.207	0.035
Articles in sample	False	True	False	True	All

Note: This table presents estimates of a regression of a dependent variable measuring correct beliefs about headlines on individual characteristics. Columns 1 and 3 include only false headlines, columns 2 and 4 contain only true headlines, and column 5 contains all headlines. All columns include additional demographic controls: income, race, and gender. "Social media most important" means social media were the respondent's most important sources of election news. "Social media ideological segregation" is the self-reported share (from 0 to 1) of social media friends that preferred the same presidential candidate. "Undecided" is an indicator variable for whether the respondent decided which candidate to vote for less than three months before the election. Observations are weighted for national representativeness. Standard errors are robust and clustered by survey respondent.

\*, \*\*, \*\*\* indicate statistically significantly different from zero with 90, 95, and 99 percent confidence, respectively.

For example, Republicans are more likely than Democrats to believe that President Obama was born outside the United States, and Democrats are more likely than Republicans to believe that President Bush was complicit in the 9/11 attacks (Cassino and Jenkins 2013). Such polarized beliefs are consistent with a Bayesian framework, where posteriors depend partially on priors, as well as with models of motivated reasoning (for example, Taber and Lodge 2006, or see the symposium in the Summer 2016 issue of this journal). Either way, the ability to update one's priors in response to factual information is privately and socially valuable in our model, and polarized views on factual issues can damage society's ability to come

to agreement on what social problems are important and how to address them (Sunstein 2001a, b, 2007).

Given this discussion, do we also see polarized beliefs with respect to fake news? And if so, what factors moderate ideologically aligned inference—that is, what factors predict a lower probability that a Republican is more likely to believe pro-Trump news than pro-Clinton news, or that a Democrat is more likely to believe pro-Clinton than pro-Trump news? To gain insight into this question, we define  $B_{ia}$  as a measure of whether individual i believed article a, taking value 1 if "Yes," 0.5 if "Not sure," and 0 if "No." We also define  $D_i$  and  $R_i$  as Democrat and Republican indicators, and  $C_a$  and  $T_a$  as indicators for whether headline a is pro-Clinton or pro-Trump. We then run the following regression in the sample of Democrats and Republicans, excluding Independents:

$$B_{ia} = \beta_D D_i C_a + \beta_R R_i T_a + \gamma_D D_i + \gamma_R R_i + \varepsilon_{ia}$$

The first two independent variables are interaction terms; their coefficients  $\beta_D$  and  $\beta_R$  measure whether a Democrat is more likely to believe a pro-Clinton headline and whether a Republican is more likely to believe a pro-Trump headline. The second two independent variables control for how likely Democrats or Republicans are as a group are to believe all stories. Since headlines are randomly assigned to respondents, with equal balance of true versus false and pro-Trump versus pro-Clinton, the estimated  $\beta$  parameters will measure ideologically aligned inference

Table 2 presents the results. Column 1 presents estimates of  $\beta_D$  and  $\beta_R$ . Democrats and Republicans, respectively, are 17.2 and 14.7 percentage points more likely to believe ideologically aligned articles than they are to believe nonaligned articles. Column 2 takes an intermediate step, constraining the  $\beta$  coefficients to be the same. Column 3 then allows  $\beta$  to vary by the same vector of  $\mathbf{X}_i$  variables as reported in Table 1, except excluding  $D_i$  to avoid collinearity. In both columns 1 and 3, any differences between Democrats and Republicans in the magnitude of ideologically aligned inference are not statistically significant.

Three variables are strongly correlated with ideologically aligned inference. First, heavy media consumers are more likely to believe ideologically aligned articles. Second, those with segregated social networks are significantly more likely to believe ideologically aligned articles, perhaps because they are less likely to receive disconfirmatory information from their friends. The point estimate implies that a 0.1 (10 percentage point) increase in the share of social media friends that preferred the same presidential candidate is associated with a 0.0147 (1.47 percentage point) increase in belief of ideologically aligned headlines relative to ideologically crosscutting headlines. Third, "undecided" adults (those who did not make up their minds about whom to vote for until less than three months before the election) are less likely to believe ideologically aligned articles than more decisive voters. This is consistent with undecided voters having less-strong ideologies in the first place. Interestingly, social media use and education are not statistically significantly associated with more or less ideologically aligned inference.

 Table 2

 Ideological Alignment and Belief of News Headlines

	(1)	(2)	(3)
Democrat × Pro-Clinton	0.172*** (0.021)		
$Republican \times Pro\text{-}Trump$	0.147*** (0.023)		
Aligned		0.161*** (0.016)	0.096 (0.140)
$Aligned \times Republican$			0.000 (0.027)
Aligned $\times$ In(Daily media time)			0.024*** (0.009)
$Aligned \times Social\ media\ most\ important$			-0.031 (0.037)
Aligned $\times$ Use social media			-0.068 $(0.050)$
Aligned × Social media ideological segregation			0.147*** (0.046)
$Aligned \times Education$			-0.004 $(0.007)$
$Aligned \times Undecided$			-0.099*** (0.030)
$Aligned \times Age$			0.001 (0.001)
N	10,785	10,785	10,785

Notes: This table presents estimates of a regression of a variable measuring belief of news headlines on the interaction of political party affiliation indicators and pro-Clinton or pro-Trump headline indicators. The sample includes all news headlines (both true and false) but excludes survey respondents who are Independents. "Social media most important" means social media were the respondent's most important sources of election news. "Social media ideological segregation" is the self-reported share (from 0 to 1) of social media friends that preferred the same presidential candidate. "Undecided" is an indicator variable for whether the respondent decided which candidate to vote for less than three months before the election. Observations are weighted for national representativeness. Standard errors are robust and clustered by survey respondent. \*, \*\*\*, \*\*\*\*: statistically significantly different from zero with 90, 95, and 99 percent confidence, respectively.

One caveat to these results is that ideologically aligned inference may be exaggerated by respondents' tendency to answer expressively or to want to "cheerlead" for their party (Bullock, Gerber, Hill, and Huber 2015; Gerber and Huber 2009; Prior, Sood, and Khanna 2015). Partisan gaps could be smaller in a survey with strong incentives for correct answers.

## **Conclusion**

In the aftermath of the 2016 US presidential election, it was alleged that fake news might have been pivotal in the election of President Trump. We do not provide an assessment of this claim one way or another.

That said, the new evidence we present clarifies the level of overall exposure to fake news, and it can give some sense of how persuasive fake news would need to have been to have been pivotal. We estimate that the average US adult read and remembered on the order of one or perhaps several fake news articles during the election period, with higher exposure to pro-Trump articles than pro-Clinton articles. How much this affected the election results depends on the effectiveness of fake news exposure in changing the way people vote. As one benchmark, Spenkuch and Toniatti (2016) show that exposing voters to one additional television campaign ad changes vote shares by approximately 0.02 percentage points. This suggests that if one fake news article were about as persuasive as one TV campaign ad, the fake news in our database would have changed vote shares by an amount on the order of hundredths of a percentage point. This is much smaller than Trump's margin of victory in the pivotal states on which the outcome depended.

Of course there are many reasons why a single fake news story could have been more effective than a television commercial. If it were true that the Pope endorsed Donald Trump, this fact would be significantly more surprising—and probably move a rational voter's beliefs by more as a result—than the information contained in a typical campaign ad. Moreover, as we emphasize above, there are many ways in which our estimates could understate true exposure. We only measure the number of stories read and remembered, and the excluded stories seen on news feeds but not read, or read but not remembered, could have had a large impact. Our fake news database is incomplete, and the effect of the stories it omits could also be significant.

We also note that there are several ways in which this back-of-the-envelope calculation is conservative, in the sense that it could overstate the importance of fake news. We consider the number of stories voters read regardless of whether they believed them. We do not account for diminishing returns, which could reduce fake news' effect to the extent that a small number of voters see a large number of stories. Also, this rough calculation does not explicitly take into account the fact that a large share of pro-Trump fake news is seen by voters who are already predisposed to vote for Trump—the larger this selective exposure, the smaller the impact we would expect of fake news on vote shares.

To the extent that fake news imposes social costs, what can and should be done? In theory, a social planner should want to address the market failures that lead to distortions, which would take the form of increasing information about the state of the world and increasing incentives for news consumers to infer the true state of the world. In practice, social media platforms and advertising networks have faced some pressure from consumers and civil society to reduce the prevalence of fake news on their systems. For example, both Facebook and Google are removing fake news sites

from their advertising platforms on the grounds that they violate policies against misleading content (Wingfield, Isaac, and Benner 2016). Furthermore, Facebook has taken steps to identify fake news articles, flag false articles as "disputed by 3rd party fact-checkers," show fewer potentially false articles in users' news feeds, and help users avoid accidentally sharing false articles by notifying them that a story is "disputed by 3rd parties" before they share it (Mosseri 2016). In our theoretical framework, these actions may increase social welfare, but identifying fake news sites and articles also raises important questions about who becomes the arbiter of truth.

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#### References

Abramowitz, Alan I., and Kyle L. Saunders. 2008. "Is Polarization a Myth?" *Journal of Politics* 70(2): 542–55.

American Enterprise Institute. 2013. "Public Opinion on Conspiracy Theories." AEI Public Opinion Study. Compiled by Karlyn Bowman and Andrew Rugg. November, https://www.aei.org/wp-content/uploads/2013/11/-public-opinion-on-conspiracy-theories\_181649218739.pdf.

American National Election Studies. 2010. Times Series Cumulative Data File [dataset]. Produced and distributed by Stanford University and the University of Michigan. http://www.electionstudies.org/studypages/anes\_timeseries\_cdf/anes\_timeseries\_cdf.htm.

**Bagdikian, Ben H.** 1983. *The Media Monopoly*. Beacon Press.

Bakshy, Eytan, Solomon Messing, and Lada A. Adamic. 2015. "Exposure to Ideologically Diverse News and Opinion on Facebook." *Science* 348(6239): 1130–32.

**Bartels, Larry M.** 1993. "Messages Received: The Political Impact of Media Exposure." *American Political Science Review* 87(2): 267–85.

Berinsky, Adam J. 2017. "Rumors and Health Care Reform: Experiments in Political Misinformation." *British Journal of Political Science* 47(2): 241–62.

**Brayton, Ed.** 2016. "Please Stop Sharing Links to These Sites." *Patheos*, September 18. http://www.patheos.com/blogs/dispatches/2016/09/18/

please-stop-sharing-links-to-these-sites/.

Bullock, John G., Alan S. Gerber, Seth J. Hill, and Gregory A. Huber. 2015. "Partisan Bias in Factual Beliefs about Politics." *Quarterly Journal of Political Science* 10(4): 519–78.

**BuzzFeed News.** No date. "Election Content Engagement." [A spreadsheet] https://docs.google.com/spreadsheets/d/lysnzawW6pDGBEqbXqeYuzWa7Rx2mQUip6CXUUUk4jIk/edit#gid=1756764129.

Cassino, Dan, and Krista Jenkins. 2013. "Conspiracy Theories Prosper: 25% of Americans Are 'Truthers.'" Fairleigh Dickinson University's Public Mind Poll. January 17. http://publicmind.fdu.edu/2013/outthere.

**Chapman University.** 2016. "What Aren't They Telling Us?" Chapman University Survey of American Fears. October 11. https://blogs.chapman.edu/wilkinson/2016/10/11/what-arent-theytelling-us/.

**DellaVigna, Stefano, and Matthew Gentzkow.** 2010. "Persuasion: Empirical Evidence." *Annual Review of Economics* 2: 643–69.

**DellaVigna, Stefano, and Ethan Kaplan.** 2007. "The Fox News Effect: Media Bias and Voting." *Quarterly Journal of Economics* 122(3): 1187–1234.

**Dewey, Caitlin.** 2014. "This Is Not an Interview with Banksy." *Washington Post*, October 22. https://www.washingtonpost.com/news/the-intersect/wp/2014/10/21/this-is-not-an-interview-with-banksy/?tid=a\_inl&utm\_term=.8a9 5d83438e9.

**Dewey, Caitlin.** 2016. "Facebook Fake-News Writer: 'I Think Donald Trump is in the White House because of Me." Washington Post, November, 17. https://www.washingtonpost.com/news/the-intersect/wp/2016/11/17/facebook-fake-news-writer-i-think-donald-trump-is-in-the-white-house-because-of-me/.

**DiFonzo, Nicholas, and Prashant Bordia.** 2007. Rumor Psychology: Social and Organizational Approaches. American Psychological Association.

Enikolopov, Ruben, Maria Petrova, and Ekaterina Zhuravskaya. 2011. "Media and Political Persuasion: Evidence from Russia." *American Economic Review* 101(7): 3253–85.

**Eventbrite.** 2012. "Social Commerce: A Global Look at the Numbers." October 23. https://www.eventbrite.com/blog/ds00-social-commerce-a-global-look-at-the-numbers/.

**Fiorina, Morris P., and Samuel J. Abrams.** 2008. "Political Polarization in the American Public." *Annual Review of Political Science* 11: 563–88.

Flaxman, Seth, Sharad Goel, and Justin M. Rao. 2016. "Filter Bubbles, Echo Chambers, and Online News Consumption." *Public Opinion Quarterly* 80(1): 298–320.

Flynn, D. J., Brendan Nyhan, and Jason Reifler. 2017. "The Nature and Origins of Misperceptions: Understanding False and Unsupported Beliefs about Politics." *Advances in Political Psychology* 38(S1): 127–50.

Friggeri, Adrien, Lada Adamic, Dean Eckles, and Justin Cheng. 2014. "Rumor Cascades." Eighth International AAAI Conference on Weblogs and Social Media.

Gentzkow, Matthew, and Jesse M. Shapiro. 2006. "Media Bias and Reputation." *Journal of Political Economy* 114(2): 280–316.

Gentzkow, Matthew, and Jesse M. Shapiro. 2011. "Ideological Segregation Online and Offline." Quarterly Journal of Economics 126(4): 1799–1839.

Gentzkow, Matthew, Jesse M. Shapiro, and Daniel F. Stone. 2016. "Media Bias in the Market-place: Theory." Chap. 14 in *Handbook of Media Economics*, vol. 1B, edited by Simon Anderson, Joel Waldofgel, and David Stromberg.

Gerber, Alan S., James G. Gimpel, Donald P. Green, and Daron R. Shaw. 2011. "How Large and Long-lasting are the Persuasive Effects of Televised Campaign Ads? Results from a Randomized Field Experiment." *American Political Science Review* 105(1): 135–150.

Gerber, Alan S., and Donald P. Green. 2000. "The Effects of Canvassing, Telephone Calls, and Direct Mail on Voter Turnout: A Field Experiment." American Political Science Review 94(3): 653–63.

**Gerber, Alan S., and Gregory A. Huber.** 2009. "Partisanship and Economic Behavior: Do Partisan Differences in Economic Forecasts Predict Real Economic Behavior?" *American Political Science Review* 103(3): 407–26.

Gottfried, Jeffrey, and Elisa Shearer. 2016. "News Use across Social Media Platforms 2016." Pew Research Center, May 26. http://www.journalism.org/2016/05/26/news-use-across-social-media-platforms-2016.

**Guess, Andrew M.** 2015. "Measure for Measure: An Experimental Test of Online Political Media Exposure." *Political Analysis* 23(1): 59–75.

**Huber, Gregory A., and Kevin Arceneaux.** 2007. "Identifying the Persuasive Effects of Presidential Advertising." *American Journal of Political Science* 51(4): 957–77.

**Kaplan, Richard L.** 2002. Politics and the American Press: The Rise of Objectivity, 1865–1920. Cambridge University Press.

**Keeley, Brian L.** 1999. "Of Conspiracy Theories." *Journal of Philosophy* 96(3): 109–26.

Lang, Kurt, and Gladys Engel Lang. 2002. *Television and Politics*. Transaction Publishers.

**Lelkes, Yphtach.** 2016. "Mass Polarization: Manifestations and Measurements." *Public Opinion Quarterly* 80(S1): 392–410.

Lewandowsky, Stephan, Gilles E. Gignac, and Klaus Oberauer. 2013. "The Role of Conspiracist Ideation and Worldviews in Predicting Rejection of Science." *PloS One* 8(10): e75637.

Malka, Ariel, Jon A. Krosnick, and Gary Langer. 2009. "The Association of Knowledge with Concern about Global Warming: Trusted Information Sources Shape Public Thinking." *Risk Analysis* 29(5): 633–47.

Martin, Gregory J., and Ali Yurukoglu. 2014. "Bias in Cable News: Persuasion and Polarization." NBER Working Paper 20798.

McClosky, Herbert, and Dennis Chong. 1985. "Similarities and Differences between Left-Wing and Right-Wing Radicals." *British Journal of Political Science* 15(3): 329–63.

Mosseri Adam. 2016. "News Feed FYI: Addressing Hoaxes and Fake News." Newsroom, Facebook, December 15. http://newsroom.fb. com/news/2016/12/news-feed-fyi-addressing-hoaxes-and-fake-news/.

Mullainathan, Sendhil, and Andrei Shleifer. 2005. "The Market for News." *American Economic Review* 95(4): 1031–53.

Napoli, Philip M. 2014. "Measuring Media Impact: An Overview of the Field." Norman Lear Center Media Impact Project. https://learcenter.org/pdf/measuringmedia.pdf.

**Novak, Jessica.** No date. "Quantifying Virality: The Visits to Share Ratio." http://intelligence.r29.com/post/105605860880/quantifying-virality-thevisits-to-shares-ratio.

Nyhan, Brendan, Jason Reifler, Sean Richey, and Gary L. Freed. 2014. "Effective Messages in Vaccine Promotion: A Randomized Trial." *Pediatrics* 133(4): 835–42.

Nyhan, Brendan, Jason Reifler, and Peter A. Ubel. 2013. "The Hazards of Correcting Myths about Health Care Reform." *Medical Care* 51(2): 127–32.

Oliver, J. Eric, and Thomas J. Wood. 2014. "Conspiracy Theories and the Paranoid Style(s) of Mass Opinion." *American Journal of Political Science* 58(4): 952–66.

Pariser, Eli. 2011. The Filter Bubble: What the Internet Is Hiding from You. Penguin UK.

**Parkinson, Hannah Jane.** 2016. "Click and Elect: How Fake News Helped Donald Trump Win a Real Election." *Guardian*, November 14.

**PolitiFact.** No date. http://www.politifact.com/truth-o-meter/elections/2016/president-united-states/.

Price, Vincent, and John Zaller. 1993. "Who Gets the News? Alternative Measures of News Reception and Their Implications for Research." *Public Opinion Quarterly* 57(2): 133–64.

**Prior, Markus.** 2009. "The Immensely Inflated News Audience: Assessing Bias in Self-Reported News Exposure." *Public Opinion Quarterly* 73(1): 130–43.

**Prior, Markus.** 2013. "Media and Political Polarization." *Annual Review of Political Science* 16: 101–27.

Prior, Markus, Gaurav Sood, and Kabir Khanna. 2015. "You Cannot Be Serious: The Impact of Accuracy Incentives on Partisan Bias in Reports of Economic Perceptions." *Quarterly Journal of Political Science* 10(4): 489–518.

**Read, Max.** 2016. "Donald Trump Won because of Facebook." *New York Magazine*, November 9.

**Silverman, Craig.** 2016. "This Analysis Shows how Fake Election News Stories Outperformed Real News on Facebook." *BuzzFeed News*, November 16

Silverman, Craig and Jeremy Singer-Vine. 2016. "Most Americans Who See Fake News Believe It, New Survey Says." *BuzzFeed News*, December 6.

Smith, Adam. 1776. The Wealth of Nations. London: W. Strahan.

**Spenkuch, Jörg L., and David Toniatti.** 2016. "Political Advertising and Election Outcomes." CESifo Working Paper Series 5780.

**Subramanian, Samanth.** 2017. "Inside the Macedonian Fake-News Complex, *Wired*, February 15.

**Sunstein, Cass R.** 2001a. *Echo Chambers: Bush v. Gore, Impeachment, and Beyond.* Princeton University Press.

**Sunstein, Cass R.** 2001b. *Republic.com*. Princeton University Press.

**Sunstein, Cass R.** 2007. *Republic.com* 2.0. Princeton University Press.

Swift, Art. 2016. "Americans' Trust in Mass Media Sinks to New Low." Gallup, September 14. http://www.gallup.com/poll/195542/americanstrust-mass-media-sinks-new-low.aspx.

Sydell, Laura. 2016. "We Tracked Down a Fake-News Creator in the Suburbs. Here's What We Learned." National Public Radio, November 23. http://www.npr.org/sections/alltechconsidered/2016/11/23/503146770/npr-finds-the-head-of-a-covert-fake-news-operation-in-the-suburbs.

**Taber, Charles S., and Milton Lodge.** 2006. "Motivated Skepticism in the Evaluation of Political Beliefs." *American Journal of Political Science* 50(3): 755–69.

**Townsend, Tess.** 2016. "Meet the Romanian Trump Fan behind a Major Fake News Site." *Inc.* http://www. inc.com/tess-townsend/ending-fed-trump-facebook.html.

Uscinski, Joseph E., Casey Klofstad, and Matthew D. Atkinson. 2016. "What Drives Conspiratorial Beliefs? The Role of Informational Cues and Predispositions." *Political Research Quarterly* 69(1): 57–71.

Wingfield, Nick, Mike Isaac, and Katie Benner. 2016." Google and Facebook Take Aim at Fake News Sites." *New York Times*, November 14.

Yeager, David S., Jon A. Krosnick, LinChiat Chang, Harold S. Javitz, Matthew S. Levendusky, Alberto Simpser, and Rui Wang. 2011. "Comparing the Accuracy of RDD Telephone Surveys and Internet Surveys Conducted with Probability and Non-Probability Samples." *Public Opinion Quarterly* 75(4): 709–47.

Zhao, Junzhou, Pinghui Wang, Jing Tao, Xiaobo Ma, and Xiaohong Guan. 2013. "A Peep on the Interplays between Online Video Websites and Online Social Networks." ariXiv:1305.4018.

Zimdars, Melissa. 2016. "False, Misleading, Clickbaity, and Satirical 'News' Sources." http://d279m997dpfwgl.cloudfront.net/wp/2016/11/Resource-False-Misleading-Clickbaity-and-Satirical-%E2%80%9CNews%E2%80%9D-Sources-1.pdf.

## This article has been cited by:

- 1. Francesco Pierri, Carlo Piccardi, Stefano Ceri. 2020. Topology comparison of Twitter diffusion networks effectively reveals misleading information. *Scientific Reports* 10:1. . [Crossref]
- 2. Joseph H. Tien, Marisa C. Eisenberg, Sarah T. Cherng, Mason A. Porter. 2020. Online reactions to the 2017 'Unite the right' rally in Charlottesville: measuring polarization in Twitter networks using media followership. *Applied Network Science* 5:1. . [Crossref]
- 3. Andrew P. Weiss, Ahmed Alwan, Eric P. Garcia, Julieta Garcia. 2020. Surveying fake news: Assessing university faculty's fragmented definition of fake news and its impact on teaching critical thinking. *International Journal for Educational Integrity* 16:1. . [Crossref]
- 4. Mohamed Sami Ben Ali. 2020. Does ICT promote democracy similarily in developed and developing countries? A linear and nonlinear panel threshold framework. *Telematics and Informatics* **50**, 101382. [Crossref]
- 5. Dongmei Fan, Guo-Ping Jiang, Yu-Rong Song, Yin-Wei Li. 2020. Novel fake news spreading model with similarity on PSO-based networks. *Physica A: Statistical Mechanics and its Applications* **549**, 124319. [Crossref]
- 6. Jamie L. Grigsby. 2020. Fake Ads: The Influence of Counterfeit Native Ads on Brands and Consumers. *Journal of Promotion Management* 26:4, 569-592. [Crossref]
- 7. M. Rosie Jahng, Hyunmin Lee, Annisa Rochadiat. 2020. Public relations practitioners' management of fake news: Exploring key elements and acts of information authentication. *Public Relations Review* 46:2, 101907. [Crossref]
- 8. Daniel J. Tamul, Adrienne Holz Ivory, Jessica Hotter, Jordan Wolf. 2020. All the President's Tweets: Effects of Exposure to Trump's "Fake News" Accusations on Perceptions of Journalists, News Stories, and Issue Evaluation. *Mass Communication and Society* 23:3, 301–330. [Crossref]
- 9. Darrel Robinson. 2020. Education, Family Background, and Political Knowledge: A Test of the Compensation Hypothesis with Identical Twins. *Political Studies* **68**:2, 350-369. [Crossref]
- 10. Ian P. McCarthy, David Hannah, Leyland F. Pitt, Jane M. McCarthy. 2020. Confronting indifference toward truth: Dealing with workplace bullshit. *Business Horizons* 63:3, 253-263. [Crossref]
- 11. Wasim Ahmed, Josep Vidal-Alaball, Joseph Downing, Francesc Lopez Seguí. 2020. Dangerous Messages or Satire? Analysing the Conspiracy Theory Linking 5G to COVID-19 through Social Network Analysis (Preprint). *Journal of Medical Internet Research*. [Crossref]
- 12. Jacob L. Nelson. 2020. The Enduring Popularity of Legacy Journalism: An Analysis of Online Audience Data. *Media and Communication* 8:2, 40. [Crossref]
- 13. Moses Ofome Asak, Tshepang Bright Molale. 2020. Deconstructing De-legitimization of Mainstream Media as Sources of Authentic News in the Post-Truth Era. *Communicatio* 12, 1-25. [Crossref]
- 14. Cristina M Pulido, Beatriz Villarejo-Carballido, Gisela Redondo-Sama, Aitor Gómez. 2020. COVID-19 infodemic: More retweets for science-based information on coronavirus than for false information. *International Sociology* 5, 026858092091475. [Crossref]
- 15. Mamoun Masoud Abdulqader, Yousof Zohair Almunsour. 2020. Investigating the Effects of Social Media on Higher Education with a Case Study. *Journal of Information & Knowledge Management* 76, 2040023. [Crossref]
- 16. Yevgeniy Golovchenko, Cody Buntain, Gregory Eady, Megan A. Brown, Joshua A. Tucker. 2020. Cross-Platform State Propaganda: Russian Trolls on Twitter and YouTube during the 2016 U.S. Presidential Election. The International Journal of Press/Politics 42, 194016122091268. [Crossref]
- 17. Ellen Haggar. 2020. Fighting fake news: exploring George Orwell's relationship to information literacy. *Journal of Documentation* ahead-of-print:ahead-of-print. . [Crossref]

- 18. Karolina Koc-Michalska, Bruce Bimber, Daniel Gomez, Matthew Jenkins, Shelley Boulianne. 2020. Public Beliefs about Falsehoods in News. *The International Journal of Press/Politics* 2020, 194016122091269. [Crossref]
- 19. Brian J. Collins, Jose Marichal, Richard Neve. 2020. The social media commons: Public sphere, agonism, and algorithmic obligation. *Journal of Information Technology & Politics* **52**, 1-17. [Crossref]
- 20. Simone Chambers. 2020. Truth, Deliberative Democracy, and the Virtues of Accuracy: Is Fake News Destroying the Public Sphere?. *Political Studies* 003232171989081. [Crossref]
- 21. Ludovico Iovino, Mattia D'Emidio, Marco Modica. 2020. Creating an Holistic Emergency Alert Management Platform. *Journal of Urban Technology* 27:2, 3-20. [Crossref]
- 22. Jonathan Cinnamon. 2020. Data inequalities and why they matter for development. *Information Technology for Development* 26:2, 214-233. [Crossref]
- 23. Lianwei Wu, Yuan Rao, Ambreen Nazir, Haolin Jin. 2020. Discovering differential features: Adversarial learning for information credibility evaluation. *Information Sciences* **516**, 453-473. [Crossref]
- 24. Gordon Pennycook, David G. Rand. 2020. Who falls for fake news? The roles of bullshit receptivity, overclaiming, familiarity, and analytic thinking. *Journal of Personality* 88:2, 185-200. [Crossref]
- 25. Peter J. Jost, Johanna Pünder, Isabell Schulze-Lohoff. 2020. Fake news Does perception matter more than the truth?. *Journal of Behavioral and Experimental Economics* 85, 101513. [Crossref]
- 26. Petros Iosifidis, Leighton Andrews. 2020. Regulating the internet intermediaries in a post-truth world: Beyond media policy?. *International Communication Gazette* 82:3, 211-230. [Crossref]
- 27. Jennifer Allen, Baird Howland, Markus Mobius, David Rothschild, Duncan J. Watts. 2020. Evaluating the fake news problem at the scale of the information ecosystem. *Science Advances* **6**:14, eaay3539. [Crossref]
- 28. Julii Brainard, Paul R Hunter. 2020. Misinformation making a disease outbreak worse: outcomes compared for influenza, monkeypox, and norovirus. SIMULATION 96:4, 365-374. [Crossref]
- 29. Cornelia Sindermann, Andrew Cooper, Christian Montag. 2020. A short Review on Susceptibility to Falling for Fake Political News. *Current Opinion in Psychology* . [Crossref]
- 30. Nigel Hardiman, Shelley Burgin, Jia Shao. 2020. How Sharks and Shark–Human Interactions are Reported in Major Australian Newspapers. *Sustainability* 12:7, 2683. [Crossref]
- 31. Ícaro Joathan, Marcelo Alves. 2020. O Twitter como ferramenta de campanha negativa não oficial: uma análise da campanha eleitoral para a Prefeitura do Rio de Janeiro em 2016. *Galáxia (São Paulo)* 31:43, 81-98. [Crossref]
- 32. Mina Kwon, Michael J. Barone. 2020. A World of Mistrust: Fake News, Mistrust Mind-Sets, and Product Evaluations. *Journal of the Association for Consumer Research* 5:2, 206-219. [Crossref]
- 33. Sander van der Linden, Costas Panagopoulos, Jon Roozenbeek. 2020. You are fake news: political bias in perceptions of fake news. *Media, Culture & Society* 42:3, 460-470. [Crossref]
- 34. Rajvikram Madurai Elavarasan, Rishi Pugazhendhi. 2020. Restructured society and environment: A review on potential technological strategies to control the COVID-19 pandemic. *Science of The Total Environment* 138858. [Crossref]
- 35. Elif Başak SARIOĞLU. 2020. Yalan Haber, "Post-Truth" Kavramı ve Medya Üçlemesi: Geçmişten Günümüze Gündem Belirleyen Örnekler. İnsan ve Toplum Bilimleri Araştırmaları Dergisi 9:1, 377-397. [Crossref]
- 36. Jana Laura Egelhofer, Loes Aaldering, Jakob-Moritz Eberl, Sebastian Galyga, Sophie Lecheler. 2020. From Novelty to Normalization? How Journalists Use the Term "Fake News" in their Reporting. *Journalism Studies* 19, 1-21. [Crossref]

- 37. Tong Zeng, Daniel E. Acuna. 2020. Modeling citation worthiness by using attention-based bidirectional long short-term memory networks and interpretable models. *Scientometrics* 38. . [Crossref]
- 38. Craig T. Robertson, Rachel R. Mourão. 2020. Faking Alternative Journalism? An Analysis of Self-Presentations of "Fake News" Sites. *Digital Journalism* 30, 1-19. [Crossref]
- 39. Patrick Mutahi, Brian Kimari. 2020. Fake News and the 2017 Kenyan Elections. *Communicatio* 3, 1-19. [Crossref]
- 40. Alina Vereshchaka, Seth Cosimini, Wen Dong. 2020. Analyzing and distinguishing fake and real news to mitigate the problem of disinformation. *Computational and Mathematical Organization Theory* 31. . [Crossref]
- 41. Edda Humprecht. 2020. How Do They Debunk "Fake News"? A Cross-National Comparison of Transparency in Fact Checks. *Digital Journalism* 8:3, 310-327. [Crossref]
- 42. Jane Suiter, Richard Fletcher. 2020. Polarization and partisanship: Key drivers of distrust in media old and new?. European Journal of Communication 113, 026732312090368. [Crossref]
- 43. Matteo Cinelli, Emanuele Brugnoli, Ana Lucia Schmidt, Fabiana Zollo, Walter Quattrociocchi, Antonio Scala. 2020. Selective exposure shapes the Facebook news diet. *PLOS ONE* **15**:3, e0229129. [Crossref]
- 44. Teresa Borges-Tiago, Flavio Tiago, Osvaldo Silva, José Manuel Guaita Martínez, Dolores Botella-Carrubi. 2020. Online users' attitudes toward fake news: Implications for brand management. Psychology & Marketing 38. . [Crossref]
- 45. Oberiri Destiny Apuke, Bahiyah Omar. 2020. FAKE NEWS PROLIFERATION IN NIGERIA: CONSEQUENCES, MOTIVATIONS, AND PREVENTION THROUGH AWARENESS STRATEGIES. Humanities & Social Sciences Reviews 8:2, 318-327. [Crossref]
- 46. Panayiota Kendeou, Rina Harsch, Reese Butterfuss, Joseph Aubele, Jasmine Kim. The Challenge of Fake News 477-494. [Crossref]
- 47. Michael Schudson, Gal Beckerman. "Old" Media, "New" Media, Hybrid Media, and the Changing Character of Political Participation 269-289. [Crossref]
- 48. Alessandro Nai. 2020. The Trump Paradox: How Cues from a Disliked Source Foster Resistance to Persuasion. *Politics and Governance* 8:1, 122. [Crossref]
- Sebastian Stier, Nora Kirkizh, Caterina Froio, Ralph Schroeder. 2020. Populist Attitudes and Selective Exposure to Online News: A Cross-Country Analysis Combining Web Tracking and Surveys. The International Journal of Press/Politics 3, 194016122090701. [Crossref]
- 50. Deen Freelon, Chris Wells. 2020. Disinformation as Political Communication. *Political Communication* 37:2, 145-156. [Crossref]
- 51. Samantha Bradshaw, Philip N. Howard, Bence Kollanyi, Lisa-Maria Neudert. 2020. Sourcing and Automation of Political News and Information over Social Media in the United States, 2016-2018. *Political Communication* 37:2, 173-193. [Crossref]
- 52. Franziska B. Keller, David Schoch, Sebastian Stier, JungHwan Yang. 2020. Political Astroturfing on Twitter: How to Coordinate a Disinformation Campaign. *Political Communication* 37:2, 256-280. [Crossref]
- 53. Fabian Zimmermann, Matthias Kohring. 2020. Mistrust, Disinforming News, and Vote Choice: A Panel Survey on the Origins and Consequences of Believing Disinformation in the 2017 German Parliamentary Election. *Political Communication* 37:2, 215–237. [Crossref]
- 54. Andrew M. Guess, Brendan Nyhan, Jason Reifler. 2020. Exposure to untrustworthy websites in the 2016 US election. *Nature Human Behaviour* 31. . [Crossref]

- 55. Ozan Candogan, Kimon Drakopoulos. 2020. Optimal Signaling of Content Accuracy: Engagement vs. Misinformation. *Operations Research* . [Crossref]
- 56. Xichen Zhang, Ali A. Ghorbani. 2020. An overview of online fake news: Characterization, detection, and discussion. *Information Processing & Management* 57:2, 102025. [Crossref]
- 57. Gabriele Gratton, Galina Zudenkova. 2020. Introduction to the Special Issue Political Games: Strategy, Persuasion, and Learning. *Games* 11:1, 10. [Crossref]
- 58. Lei Guo, Chris Vargo. 2020. "Fake News" and Emerging Online Media Ecosystem: An Integrated Intermedia Agenda-Setting Analysis of the 2016 U.S. Presidential Election. *Communication Research* 47:2, 178-200. [Crossref]
- 59. Amber E. Boydstun, Regina G. Lawrence. 2020. When Celebrity and Political Journalism Collide: Reporting Standards, Entertainment, and the Conundrum of Covering Donald Trump's 2016 Campaign. *Perspectives on Politics* 18:1, 128-143. [Crossref]
- 60. Joseph Downing, Richard Dron. 2020. Tweeting Grenfell: Discourse and networks in critical constructions of British Muslim social boundaries on social media. *New Media & Society* 22:3, 449-469. [Crossref]
- 61. Hunt Allcott, Luca Braghieri, Sarah Eichmeyer, Matthew Gentzkow. 2020. The Welfare Effects of Social Media. *American Economic Review* 110:3, 629-676. [Abstract] [View PDF article] [PDF with links]
- 62. Edson C Tandoc, Darren Lim, Rich Ling. 2020. Diffusion of disinformation: How social media users respond to fake news and why. *Journalism* 21:3, 381-398. [Crossref]
- 63. Laura Faragó, Anna Kende, Péter Krekó. 2020. We Only Believe in News That We Doctored Ourselves. *Social Psychology* 51:2, 77-90. [Crossref]
- 64. Brian C. Britt. 2020. Modeling viral diffusion using quantum computational network simulation. Quantum Engineering 2:1. . [Crossref]
- 65. Chandan Kumar Jha, Oasis Kodila-Tedika. 2020. Does social media promote democracy? Some empirical evidence. *Journal of Policy Modeling* **42**:2, 271-290. [Crossref]
- 66. Kassegn Berhanu, Sahil Raj. 2020. The trustworthiness of travel and tourism information sources of social media: perspectives of international tourists visiting Ethiopia. *Heliyon* 6:3, e03439. [Crossref]
- 67. . Theoretical Approaches 83-202. [Crossref]
- 68. Uttaran Dutta, Judith N. Martin. Sociological Approaches to Intercultural Communication 170-186. [Crossref]
- 69. Robert Dover. 2020. SOCMINT: a shifting balance of opportunity. *Intelligence and National Security* 35:2, 216-232. [Crossref]
- 70. Leonie Schaewitz, Jan P. Kluck, Lukas Klösters, Nicole C. Krämer. 2020. When is Disinformation (In)Credible? Experimental Findings on Message Characteristics and Individual Differences. *Mass Communication and Society* 18, 1-26. [Crossref]
- 71. Camilla Salvatore, Silvia Biffignandi, Annamaria Bianchi. 2020. Social Media and Twitter Data Quality for New Social Indicators. *Social Indicators Research* 31. . [Crossref]
- 72. Rosa Scardigno, Giuseppe Mininni. 2020. The Rhetoric Side of Fake News: A New Weapon for Anti-Politics?. World Futures 76:2, 81-101. [Crossref]
- 73. Margaret Van Heekeren. 2020. The Curative Effect of Social Media on Fake News: A Historical Reevaluation. *Journalism Studies* 21:3, 306-318. [Crossref]
- 74. Benjamin D. Horne, Jeppe Nørregaard, Sibel Adali. 2020. Robust Fake News Detection Over Time and Attack. ACM Transactions on Intelligent Systems and Technology 11:1, 1-23. [Crossref]

- 75. Melanie Freeze, Mary Baumgartner, Peter Bruno, Jacob R. Gunderson, Joshua Olin, Morgan Quinn Ross, Justine Szafran. 2020. Fake Claims of Fake News: Political Misinformation, Warnings, and the Tainted Truth Effect. *Political Behavior* 31. . [Crossref]
- 76. Sumeet Kumar, Binxuan Huang, Ramon Alfonso Villa Cox, Kathleen M. Carley. 2020. An anatomical comparison of fake-news and trusted-news sharing pattern on Twitter. *Computational and Mathematical Organization Theory* 287. . [Crossref]
- 77. Feyza Altunbey Ozbay, Bilal Alatas. 2020. Fake news detection within online social media using supervised artificial intelligence algorithms. *Physica A: Statistical Mechanics and its Applications* **540**, 123174. [Crossref]
- 78. Graham G. Scott, Zara P. Brodie, Megan J. Wilson, Lucy Ivory, Christopher J. Hand, Sara C. Sereno. 2020. Celebrity abuse on Twitter: The impact of tweet valence, volume of abuse, and dark triad personality factors on victim blaming and perceptions of severity. *Computers in Human Behavior* 103, 109-119. [Crossref]
- 79. Sean Sands, Colin Campbell, Carla Ferraro, Alexis Mavrommatis. 2020. Seeing light in the dark: Investigating the dark side of social media and user response strategies. *European Management Journal* 38:1, 45-53. [Crossref]
- 80. Syed Shafat Ali, Tarique Anwar, Syed Afzal Murtaza Rizvi. 2020. A Revisit to the Infection Source Identification Problem under Classical Graph Centrality Measures. *Online Social Networks and Media* 100061. [Crossref]
- 81. Tinggui Chen, Qianqian Li, Peihua Fu, Jianjun Yang, Chonghuan Xu, Guodong Cong, Gongfa Li. 2020. Public Opinion Polarization by Individual Revenue from the Social Preference Theory. *International Journal of Environmental Research and Public Health* 17:3, 946. [Crossref]
- 82. Sachin Kumar, Rohan Asthana, Shashwat Upadhyay, Nidhi Upreti, Mohammad Akbar. 2020. Fake news detection using deep learning models: A novel approach. *Transactions on Emerging Telecommunications Technologies* 31:2. . [Crossref]
- 83. Alicea Lieberman, Juliana Schroeder. 2020. Two social lives: How differences between online and offline interaction influence social outcomes. *Current Opinion in Psychology* **31**, 16-21. [Crossref]
- 84. Michael L. Barnett, Irene Henriques, Bryan W. Husted. 2020. The Rise and Stall of Stakeholder Influence: How the Digital Age Limits Social Control. *Academy of Management Perspectives* 34:1, 48-64. [Crossref]
- 85. Oscar Barrera, Sergei Guriev, Emeric Henry, Ekaterina Zhuravskaya. 2020. Facts, alternative facts, and fact checking in times of post-truth politics. *Journal of Public Economics* **182**, 104123. [Crossref]
- 86. Seonhee Yang. 2020. Reality and Challenges of Traditional Journalism in the Era of YouTube Journalism. *Journal of Social Science* 31:1, 245-262. [Crossref]
- 87. Christopher Till. 2020. Propaganda through 'reflexive control' and the mediated construction of reality. New Media & Society 4, 146144482090244. [Crossref]
- 88. Lei Guo, Jacob A. Rohde, H. Denis Wu. 2020. Who is responsible for Twitter's echo chamber problem? Evidence from 2016 U.S. election networks. *Information, Communication & Society* 23:2, 234-251. [Crossref]
- 89. Edda Humprecht, Frank Esser, Peter Van Aelst. 2020. Resilience to Online Disinformation: A Framework for Cross-National Comparative Research. *The International Journal of Press/Politics* 1, 194016121990012. [Crossref]
- 90. Juan Francisco Sánchez Barrilao. 2020. El Internet en la era Trump: aproximación constitucional a una nueva realidad. *Estudios en Derecho a la Información* 1:9, 49. [Crossref]
- 91. Yiangos Papanastasiou. 2020. Fake News Propagation and Detection: A Sequential Model. Management Science . [Crossref]

- 92. Reema Aswani, Arpan Kumar Kar, P. Vigneswara Ilavarasan. 2020. Experience. *Journal of Data and Information Quality* 12:1, 1-18. [Crossref]
- 93. Piotr Kłodkowski, Anna Siewierska-Chmaj. 2020. O koncepcji ideologicznej kontrnarracji wobec przesłania fundamentalizmu islamskiego. Analiza wybranych przykładów radykalizacji i deradykalizacji w Europie, Azji Południowej i na Bliskim Wschodzie. *Sprawy Międzynarodowe* **72**:1, 219-239. [Crossref]
- 94. Francesco Pierri, Alessandro Artoni, Stefano Ceri. 2020. Investigating Italian disinformation spreading on Twitter in the context of 2019 European elections. *PLOS ONE* 15:1, e0227821. [Crossref]
- 95. Louis-Philippe Rondeau. Virtual Reality and Alternative Facts: The Subjective Realities of Digital Communities 41-49. [Crossref]
- 96. Katherine Lynch, Shaunna Hunter. 2020. Conflicting authority. *Reference Services Review* ahead-of-print: ahead-of-print. . [Crossref]
- 97. Luping Wang, Susan R. Fussell. 2020. More Than a Click. Proceedings of the ACM on Human-Computer Interaction 4:GROUP, 1-20. [Crossref]
- 98. Lauren A. Ricciardelli, Adam E. Quinn, Larry Nackerud. 2020. "Human behavior and the social media environment": group differences in social media attitudes and knowledge among U.S. social work students. *Social Work Education* 31, 1-19. [Crossref]
- 99. Giselle Rampersad, Turki Althiyabi. 2020. Fake news: Acceptance by demographics and culture on social media. *Journal of Information Technology & Politics* 17:1, 1-11. [Crossref]
- 100. Jianing Li. 2020. Toward a Research Agenda on Political Misinformation and Corrective Information. *Political Communication* 37:1, 125-135. [Crossref]
- 101. Douglas Brommesson, Ann-Marie Ekengren. EU Foreign and Security Policy in a Mediatized Age 193-215. [Crossref]
- 102. Valesca Lima. Sustainable Citizenship and the Prospect of Participation and Governance in the Digital Era 99-115. [Crossref]
- 103. Luis Terán. Discussion and Conclusions 133-143. [Crossref]
- 104. Georg Aichholzer, Gloria Rose. Experience with Digital Tools in Different Types of e-Participation 93-140. [Crossref]
- 105. Bernhard Lutz, Marc T. P. Adam, Stefan Feuerriegel, Nicolas Pröllochs, Dirk Neumann. Affective Information Processing of Fake News: Evidence from NeuroIS 121-128. [Crossref]
- 106. Leona Hutchinson, Markus Appel. Die Psychologie des Gerüchts 157-166. [Crossref]
- 107. Umaru A. Pate, Adamkolo Mohammed Ibrahim. Fake News, Hate Speech and Nigeria's Struggle for Democratic Consolidation 89-112. [Crossref]
- 108. Norbert Merkovity. Political Campaign Communication in the Information Age 166-180. [Crossref]
- 109. Joan Balcells, Albert Padró-Solanet. 2020. Crossing Lines in the Twitter Debate on Catalonia's Independence. *The International Journal of Press/Politics* 25:1, 28-52. [Crossref]
- 110. Juan S. Morales. 2020. Perceived Popularity and Online Political Dissent: Evidence from Twitter in Venezuela. *The International Journal of Press/Politics* 25:1, 5-27. [Crossref]
- 111. Katrina Kosec, Leonard Wantchekon. 2020. Can information improve rural governance and service delivery?. World Development 125, 104376. [Crossref]
- 112. Des Freedman. Media and the Neoliberal Swindle: From 'Fake News' to 'Public Service' 215-231. [Crossref]
- 113. Tomer Tuchner, Gail Gilboa-Freedman. Crying "Wolf" in a Network Structure: The Influence of Node-Generated Signals 301-312. [Crossref]

- 114. Stefano Guarino, Noemi Trino, Alessandro Chessa, Gianni Riotta. Beyond Fact-Checking: Network Analysis Tools for Monitoring Disinformation in Social Media 436-447. [Crossref]
- 115. Martin Oliver. 2020. Infrastructure and the Post-Truth Era: is Trump Twitter's Fault?. *Postdigital Science and Education* 2:1, 17-38. [Crossref]
- 116. Hadas Emma Kedar. 2020. Fake News in Media Art: Fake News as a Media Art Practice Vs. Fake News in Politics. *Postdigital Science and Education* 2:1, 132-146. [Crossref]
- 117. Paul R. Carr, Sandra Liliana Cuervo Sanchez, Michelli Aparecida Daros. 2020. Citizen Engagement in the Contemporary Era of Fake News: Hegemonic Distraction or Control of the Social Media Context?. *Postdigital Science and Education* 2:1, 39-60. [Crossref]
- 118. Paul R. Carr, Michelli Aparecida Daros, Sandra Liliana Cuervo Liliana Cuervo, Gina Thésée. Social Media and the Quest for Democracy 1-24. [Crossref]
- 119. Brian Robert Calfano. 2020. Government-Corroborated Conspiracies: Motivating Response to (and Belief in) a Coordinated Crime. PS: Political Science & Politics 53:1, 64-71. [Crossref]
- 120. Evan Sadler. 2020. Diffusion Games. *American Economic Review* 110:1, 225-270. [Abstract] [View PDF article] [PDF with links]
- 121. Tarek Hamdi, Hamda Slimi, Ibrahim Bounhas, Yahya Slimani. A Hybrid Approach for Fake News Detection in Twitter Based on User Features and Graph Embedding 266-280. [Crossref]
- 122. Theresa Davidson, Lee Farquhar. Prejudice and Social Media: Attitudes Toward Illegal Immigrants, Refugees, and Transgender People 151-167. [Crossref]
- 123. Andreas Kaplan, Michael Haenlein. 2020. Rulers of the world, unite! The challenges and opportunities of artificial intelligence. *Business Horizons* 63:1, 37-50. [Crossref]
- 124. Lauren A. Ricciardelli, Larry Nackerud, Adam E. Quinn, Mary Sewell, Beatrice Casiano. 2020. Social media use, attitudes, and knowledge among social work students: Ethical implications for the social work profession. Social Sciences & Humanities Open 2:1, 100008. [Crossref]
- 125. Carsten Hartmann. Gefangen in der Filterblase? 45-62. [Crossref]
- 126. Jozef Kapusta, Lubomír Benko, Michal Munk. Fake News Identification Based on Sentiment and Frequency Analysis 400-409. [Crossref]
- 127. Milan Zafirovski. 2020. Indicators of Militarism and Democracy in Comparative Context: How Militaristic Tendencies Influence Democratic Processes in OECD Countries 2010–2016. *Social Indicators Research* 147:1, 159-202. [Crossref]
- 128. Xiangtong Meng, Wei Zhang, Youwei Li, Xing Cao, Xu Feng. 2020. Social media effect, investor recognition and the cross-section of stock returns. *International Review of Financial Analysis* 67, 101432. [Crossref]
- 129. Samuel Kai Wah Chu. Review of Social Media 13-29. [Crossref]
- 130. Giancarlo Fedeli. 2020. 'Fake news' meets tourism: a proposed research agenda. *Annals of Tourism Research* **80**, 102684. [Crossref]
- 131. Paul R. Carr, Michelli Aparecida Daros, Sandra Liliana Cuervo, Gina Thésée. Social Media and the Quest for Democracy 1-24. [Crossref]
- 132. Arghya Ray, Pradip Kumar Bala. 2020. Social media for improved process management in organizations during disasters. *Knowledge and Process Management* 27:1, 63-74. [Crossref]
- 133. Christian Stöcker. How Facebook and Google Accidentally Created a Perfect Ecosystem for Targeted Disinformation 129-149. [Crossref]
- 134. Kelechi Okechukwu Amakoh. Maintaining Journalistic Authority 168-181. [Crossref]
- 135. Amir Forouharfar. Cyber-tech Companies and Public Mind Control 1-7. [Crossref]

- 136. Xingyu Chen, John Yu, Pamela Goh, Loo Seng Neo, Verity Er, Majeed Khader. Crime-Fake News Nexus 52-65. [Crossref]
- 137. Antonio Badia. An Overview (and Criticism) of Methods to Detect Fake Content Online 1053-1061. [Crossref]
- 138. Rofhiwa F. Mukhudwana. #Zuma Must Fall This February: Homophily on the Echo-Chambers of Political Leaders' Twitter Accounts 175-202. [Crossref]
- 139. Cornelius Puschmann. Technische Faktoren bei der Verbreitung propagandistischer Inhalte im Internet und den sozialen Medien 539-549. [Crossref]
- 140. Yongtian Yu, Guang Yu, Tong Li, Qingli Man, Qiuping Chen. 2020. Quantitative Characterization and Identification of the Company-Related Disinformation Channel Among Media. *IEEE Access* 8, 29196-29204. [Crossref]
- 141. Elmie Nekmat. 2020. Nudge Effect of Fact-Check Alerts: Source Influence and Media Skepticism on Sharing of News Misinformation in Social Media. *Social Media + Society* **6**:1, 205630511989732. [Crossref]
- 142. SeongKu Kang, Junyoung Hwang, Hwanjo Yu. Multi-Modal Component Embedding for Fake News Detection 1-6. [Crossref]
- 143. Emerson Yoshiaki Okano, Zebin Liu, Donghong Ji, Evandro Eduardo Seron Ruiz. Fake News Detection on Fake.Br Using Hierarchical Attention Networks 143-152. [Crossref]
- 144. Gabriela Wick-Pedro, Roney L. S. Santos, Oto A. Vale, Thiago A. S. Pardo, Kalina Bontcheva, Carolina Scarton. Linguistic Analysis Model for Monitoring User Reaction on Satirical News for Brazilian Portuguese 313-320. [Crossref]
- 145. Jan-Erik Lönnqvist, Ville-Juhani Ilmarinen, Florencia M. Sortheix. 2020. Polarization in the wake of the European refugee crisis A longitudinal study of the Finnish political elite's attitudes towards refugees and the environment. *Journal of Social and Political Psychology* 8:1, 173-197. [Crossref]
- 146. Sho Tsugawa. 2020. ###########. IEICE Communications Society Magazine 13:4, 282-288. [Crossref]
- 147. S. Jalil Kazemitabar, Arash A. Amini. Approximate Identification of the Optimal Epidemic Source in Complex Networks 107-125. [Crossref]
- 148. Shawyn C. Lee. 26. [Crossref]
- 149. Nahema Marchal. 2020. Conceptualizing the Impact of Digital Interference in Elections: A Framework and Agenda for Future Research. SSRN Electronic Journal . [Crossref]
- 150. Mark Chong, Murphy Choy. An Empirically Supported Taxonomy of Misinformation 117-138. [Crossref]
- 151. Mehmet Fatih Çömlekçi. Combating Fake News Online 273-289. [Crossref]
- 152. Carola Binder. 2020. Coronavirus Fears and Macroeconomic Expectations. SSRN Electronic Journal . [Crossref]
- 153. Stanislaw P. Stawicki, Michael S. Firstenberg, Thomas J. Papadimos. The Growing Role of Social Media in International Health Security: The Good, the Bad, and the Ugly 341-357. [Crossref]
- 154. Freek van Gils, Wieland Müller, Jens Prufer. 2020. Big Data and Democracy. SSRN Electronic Journal . [Crossref]
- 155. Marialaura Previti, Victor Rodriguez-Fernandez, David Camacho, Vincenza Carchiolo, Michele Malgeri. Fake News Detection Using Time Series and User Features Classification 339-353. [Crossref]
- 156. Daniel A. Effron, Medha Raj. 2020. Misinformation and Morality: Encountering Fake-News Headlines Makes Them Seem Less Unethical to Publish and Share. *Psychological Science* 31:1, 75-87. [Crossref]

- 157. Paul Machete, Marita Turpin. The Use of Critical Thinking to Identify Fake News: A Systematic Literature Review 235-246. [Crossref]
- 158. Anmol Uppal, Vipul Sachdeva, Seema Sharma. Fake news detection using discourse segment structure analysis 751-756. [Crossref]
- 159. Petra Pelletier, Ewa Drozda-Senkowska. 2020. Towards a socially situated rumouring: Historical and critical perspectives of rumour transmission. *Social and Personality Psychology Compass*. [Crossref]
- 160. Braulio Andres Soncco Pimentel, Roxana L. Q. Portugal. Fake News in Spanish: Towards the Building of a Corpus Based on Twitter 333-339. [Crossref]
- 161. Scott Clifford, Yongkwang Kim, Brian W Sullivan. 2019. An Improved Question Format for Measuring Conspiracy Beliefs. *Public Opinion Quarterly* 83:4, 690-722. [Crossref]
- 162. Julien Figeac, Tristan Salord, Guillaume Cabanac, Ophélie Fraisier, Pierre Ratinaud, Fanny Seffusatti, Nikos Smyrnaios. 2019. Facebook favorise-t-il la désinformation et la polarisation idéologique des opinions? . Questions de communication: 36, 167-187. [Crossref]
- 163. Christian Gläßel, Katrin Paula. 2019. Sometimes Less Is More: Censorship, News Falsification, and Disapproval in 1989 East Germany. *American Journal of Political Science* 42. . [Crossref]
- 164. Violetta Wilk, Geoffrey Norman Soutar, Paul Harrigan. 2019. Online brand advocacy (OBA): the development of a multiple item scale. *Journal of Product & Brand Management* ahead-of-print: ahead-of-print. . [Crossref]
- 165. Francesco Pierri, Stefano Ceri. 2019. False News On Social Media. ACM SIGMOD Record 48:2, 18-27. [Crossref]
- 166. Jonas C. L. Valente. 2019. Regulando desinformação e fake news: um panorama internacional das respostas ao problema. *Comunicação pública* :Vol.14 nº 27. . [Crossref]
- 167. Julia Cagé, Nicolas Hervé, Marie-Luce Viaud. 2019. The Production of Information in an Online World. *The Review of Economic Studies* 31. . [Crossref]
- 168. Michael Guerzhoy, Lisa Zhang, Georgy Noarov. 2019. AI education matters. AI Matters 5:3, 18-20. [Crossref]
- 169. Kevin Munger. 2019. All the News That's Fit to Click: The Economics of Clickbait Media. *Political Communication* 31, 1-22. [Crossref]
- 170. M. Laeeq Khan, Ika Karlina Idris. 2019. Recognise misinformation and verify before sharing: a reasoned action and information literacy perspective. *Behaviour & Information Technology* 38:12, 1194-1212. [Crossref]
- 171. Marcela Borge, Yann Shiou Ong, Sean Goggins. 2019. A sociocultural approach to using social networking sites as learning tools. *Educational Technology Research and Development* 72. . [Crossref]
- 172. Arash Barfar. 2019. Cognitive and affective responses to political disinformation in Facebook. *Computers in Human Behavior* 101, 173-179. [Crossref]
- 173. Ofir Turel, Oren Gil-Or. 2019. To share or not to share? The roles of false Facebook self, sex, and narcissism in re-posting self-image enhancing products. *Personality and Individual Differences* 151, 109506. [Crossref]
- 174. Jennifer K. Boland, Jaime L. Anderson. 2019. The role of personality psychopathology in social network site behaviors. *Personality and Individual Differences* 151, 109517. [Crossref]
- 175. Abhishek Samantray, Paolo Pin. 2019. Credibility of climate change denial in social media. *Palgrave Communications* 5:1. . [Crossref]
- 176. Ahmed Al-Rawi. 2019. Gatekeeping Fake News Discourses on Mainstream Media Versus Social Media. Social Science Computer Review 37:6, 687-704. [Crossref]

- 177. M. Connor Sullivan. 2019. Why librarians can't fight fake news. *Journal of Librarianship and Information Science* 51:4, 1146-1156. [Crossref]
- 178. Dorje C. Brody. 2019. Modelling election dynamics and the impact of disinformation. *Information Geometry* 2:2, 209-230. [Crossref]
- 179. Simon Lindgren. 2019. Movement Mobilization in the Age of Hashtag Activism: Examining the Challenge of Noise, Hate, and Disengagement in the #MeToo Campaign. *Policy & Internet* 11:4, 418-438. [Crossref]
- 180. Aki Koivula, Markus Kaakinen, Atte Oksanen, Pekka Räsänen. 2019. The Role of Political Activity in the Formation of Online Identity Bubbles. *Policy & Internet* 11:4, 396-417. [Crossref]
- 181. Lisa K Hartley, Joel R Anderson, Anne Pedersen. 2019. Process in the Community, Detain Offshore or 'Turn Back the Boats'? Predicting Australian Asylum-seeker Policy Support from False Beliefs, Prejudice and Political Ideology. *Journal of Refugee Studies* 32:4, 562-582. [Crossref]
- 182. Yonghun Jang, Chang-Hyeon Park, Yeong-Seok Seo. 2019. Fake News Analysis Modeling Using Quote Retweet. *Electronics* 8:12, 1377. [Crossref]
- 183. Kjell Hausken. 2019. A Game Theoretic Model of Adversaries and Media Manipulation. *Games* 10:4, 48. [Crossref]
- 184. Wei Wang, Yuanhui Ma, Tao Wu, Yang Dai, Xingshu Chen, Lidia A. Braunstein. 2019. Containing misinformation spreading in temporal social networks. *Chaos: An Interdisciplinary Journal of Nonlinear Science* 29:12, 123131. [Crossref]
- 185. Milan Zafirovski. 2019. Exploitation in contemporary societies: An exploratory comparative analysis. *The Social Science Journal* **56**:4, 565-587. [Crossref]
- 186. Alberto Acerbi. 2019. Cognitive attraction and online misinformation. *Palgrave Communications* 5:1. . [Crossref]
- 187. Peiyi Wang, Lixia Deng, Xiujun Wu. An Automated Fact Checking System Using Deep Learning Through Word Embedding 3246-3250. [Crossref]
- 188. Prush Sa-nga-ngam, Theeraya Mayakul, Wasin Srisawat, Supaporn Kiattisin. Fake news and online disinformation. a perspectives of Thai government officials 1-4. [Crossref]
- 189. Ammara Habib, Muhammad Zubair Asghar, Adil Khan, Anam Habib, Aurangzeb Khan. 2019. False information detection in online content and its role in decision making: a systematic literature review. *Social Network Analysis and Mining* 9:1. . [Crossref]
- 190. Joohyun Oh, Jeong-han Kang. 2019. Converting a digital minority into a digital beneficiary: Digital skills to improve the need for cognition among Korean older adults. *Information Development* 28, 026666691988857. [Crossref]
- 191. Ekatherina Zhukova. 2019. Image substitutes and visual fake history: historical images of atrocity of the Ukrainian famine 1932–1933 on social media. *Visual Communication* 13, 147035721988867. [Crossref]
- 192. Teng-Chieh Huang, Razieh Nokhbeh Zaeem, K. Suzanne Barber. 2019. It Is an Equal Failing to Trust Everybody and to Trust Nobody. *ACM Transactions on Internet Technology* 19:4, 1-20. [Crossref]
- 193. Joshua Habgood-Coote. 2019. Stop talking about fake news!. Inquiry 62:9-10, 1033-1065. [Crossref]
- 194. Rafael Angarita, Bruno Lefèvre, Shohreh Ahvar, Ehsan Ahvar, Nikolaos Georgantas, Valérie Issarny. 2019. Universal Social Network Bus. *ACM Transactions on Internet Technology* **19**:3, 1-19. [Crossref]
- 195. Kevin C. Elliott. 2019. Science Journalism, Value Judgments, and the Open Science Movement. Frontiers in Communication 4. . [Crossref]
- 196. Kirsten J. Worden. 2019. Disengagement in the Digital Age: A Virtue Ethical Approach to Epistemic Sorting on Social Media. *Moral Philosophy and Politics* **6**:2, 235–259. [Crossref]

- 197. Janet Z. Yang, Jun Zhuang. 2019. Information Seeking and Information Sharing Related to Hurricane Harvey. *Journalism & Mass Communication Quarterly* **36**, 107769901988767. [Crossref]
- 198. Alon Sela, Orit Milo, Eugene Kagan, Irad Ben-Gal. 2019. Improving information spread by spreading groups. *Online Information Review* 44:1, 24-42. [Crossref]
- 199. Abhijnan Chakraborty, Niloy Ganguly. 2019. Online Social Networks to Foster Long-Term Welfare. *GetMobile: Mobile Computing and Communications* 23:2, 5-8. [Crossref]
- 200. Edda Humprecht. 2019. Where 'fake news' flourishes: a comparison across four Western democracies. *Information, Communication & Society* 22:13, 1973-1988. [Crossref]
- 201. J. Piet Hausberg, Kirsten Liere-Netheler, Sven Packmohr, Stefanie Pakura, Kristin Vogelsang. 2019. Research streams on digital transformation from a holistic business perspective: a systematic literature review and citation network analysis. *Journal of Business Economics* 182. . [Crossref]
- 202. Glenda N. Cooper. Looking Back to Go Forward: The Ethics of Journalism in a Social Media Age 411-425. [Crossref]
- 203. Ricardo Martins, José João Almeida, Pedro Henriques, Paulo Novais. 2019. A sentiment analysis approach to increase authorship identification. *Expert Systems* 6. . [Crossref]
- 204. Shagun Jhaver, Darren Scott Appling, Eric Gilbert, Amy Bruckman. 2019. "Did You Suspect the Post Would be Removed?". *Proceedings of the ACM on Human-Computer Interaction* **3**:CSCW, 1-33. [Crossref]
- 205. Shalini Talwar, Amandeep Dhir, Puneet Kaur, Nida Zafar, Melfi Alrasheedy. 2019. Why do people share fake news? Associations between the dark side of social media use and fake news sharing behavior. *Journal of Retailing and Consumer Services* 51, 72-82. [Crossref]
- 206. Robert A Thomson, Jerry Z Park, Diana Kendall. 2019. Religious Conservatives and TV News: Are They More Likely to be Religiously Offended?. *Social Problems* 66:4, 626-644. [Crossref]
- 207. Colin C Barton. 2019. Critical Literacy in the Post-Truth Media Landscape. *Policy Futures in Education* 17:8, 1024-1036. [Crossref]
- 208. Mohammad Ahsan, Madhu Kumari, T.P. Sharma. 2019. Rumors detection, verification and controlling mechanisms in online social networks: A survey. *Online Social Networks and Media* 14, 100050. [Crossref]
- 209. Henrik Skaug Sætra. 2019. The tyranny of perceived opinion: Freedom and information in the era of big data. *Technology in Society* **59**, 101155. [Crossref]
- 210. Irfan Kareem, Shahid Mahmood Awan. Pakistani Media Fake News Classification using Machine Learning Classifiers 1-6. [Crossref]
- 211. Peng Qi, Juan Cao, Tianyun Yang, Junbo Guo, Jintao Li. Exploiting Multi-domain Visual Information for Fake News Detection 518-527. [Crossref]
- 212. Ahmed Abouzeid, Ole.Christoffer Granmo, Christian Webersik, Morten Goodwin. Causality-based Social Media Analysis for Normal Users Credibility Assessment in a Political Crisis 3-14. [Crossref]
- 213. Kieran Tranter. 2019. Die Buribunken as science fiction: the self and informational existence. *Griffith Law Review* **40**, 1-19. [Crossref]
- 214. Rachel R. Mourão, Craig T. Robertson. 2019. Fake News as Discursive Integration: An Analysis of Sites That Publish False, Misleading, Hyperpartisan and Sensational Information. *Journalism Studies* **20**:14, 2077-2095. [Crossref]
- 215. Lyton Ncube. 2019. Digital Media, Fake News and Pro-Movement for Democratic Change (MDC) Alliance Cyber-Propaganda during the 2018 Zimbabwe Election. *African Journalism Studies* 13, 1-18. [Crossref]

- 216. Aleksandra Urman. 2019. Context matters: political polarization on Twitter from a comparative perspective. *Media, Culture & Society* 016344371987654. [Crossref]
- 217. Maria D. Molina, S. Shyam Sundar, Thai Le, Dongwon Lee. 2019. "Fake News" Is Not Simply False Information: A Concept Explication and Taxonomy of Online Content. *American Behavioral Scientist* **20**, 000276421987822. [Crossref]
- 218. Cecilia Strand, Jakob Svensson. 2019. "Fake News" on Sexual Minorities is "Old News": A Study of Digital Platforms as Spaces for Challenging Inaccurate Reporting on Ugandan Sexual Minorities. *African Journalism Studies* **80**, 1-19. [Crossref]
- 219. Ric Neo. 2019. The securitisation of fake news in Singapore. International Politics 31. . [Crossref]
- 220. Brian J. Bowe. 2019. Separating real from fake: Building news literacy with the Frayer Model. *Communication Teacher* 33:4, 256-261. [Crossref]
- 221. Scott R. Stroud. 2019. Pragmatist Media Ethics and the Challenges of Fake News. *Journal of Media Ethics* 34:4, 178-192. [Crossref]
- 222. Carolyn A. Lin. 2019. The Challenge of Information and Communication Divides in the Age of Disruptive Technology. *Journal of Broadcasting & Electronic Media* 63:4, 587-594. [Crossref]
- 223. Richard Gunther, Paul A. Beck, Erik C. Nisbet. 2019. "Fake news" and the defection of 2012 Obama voters in the 2016 presidential election. *Electoral Studies* **61**, 102030. [Crossref]
- 224. Satish Nambisan, Mike Wright, Maryann Feldman. 2019. The digital transformation of innovation and entrepreneurship: Progress, challenges and key themes. *Research Policy* 48:8, 103773. [Crossref]
- 225. Muhannad Alsyouf, Phillip Stokes, Dan Hur, Akin Amasyali, Herbert Ruckle, Brian Hu. 2019. 'Fake News' in urology: evaluating the accuracy of articles shared on social media in genitourinary malignancies. *BJU International* 124:4, 701-706. [Crossref]
- 226. Stefanie K. Gratale, Angeline Sangalang, Erin K. Maloney, Joseph N. Cappella. 2019. Attitudinal Spillover from Misleading Natural Cigarette Marketing: An Experiment Examining Current and Former Smokers' Support for Tobacco Industry Regulation. *International Journal of Environmental Research and Public Health* 16:19, 3554. [Crossref]
- 227. Anatoly P. Chudinov, Natalya N. Koshkarova, Natalia B. Ruzhentseva. 2019. Linguistic Interpretation of Russian Political Agenda Through Fake, Deepfake, Post-Truth. *Journal of Siberian Federal University*. *Humanities & Social Sciences* 1840-1853. [Crossref]
- 228. Pedro Faustini, Thiago Ferreira Covoes. Fake News Detection Using One-Class Classification 592-597. [Crossref]
- 229. Camila Leite da Silva, Lucas May Petry, Vinicius Marino Calvo Torres de Freitas, Carina Friedrich Dorneles. Mining Journals to the Ground: An Exploratory Analysis of Newspaper Articles 78-83. [Crossref]
- 230. Ralph Schroeder. 2019. Digital Media and the Entrenchment of Right-Wing Populist Agendas. *Social Media + Society* 5:4, 205630511988532. [Crossref]
- 231. Darren L. Linvill, Brandon C. Boatwright, Will J. Grant, Patrick L. Warren. 2019. "THE RUSSIANS ARE HACKING MY BRAIN!" investigating Russia's internet research agency twitter tactics during the 2016 United States presidential campaign. *Computers in Human Behavior* 99, 292-300. [Crossref]
- 232. Ethar Qawasmeh, Mais Tawalbeh, Malak Abdullah. Automatic Identification of Fake News Using Deep Learning 383-388. [Crossref]
- 233. Anav Bedi, Nitin Pandey, Sunil Kumar Khatri. A Framework to Identify and secure the Issues of Fake News and Rumours in Social Networking 70-73. [Crossref]
- 234. Dwi Fitri Brianna, Edi Surya Negara, Yesi Novaria Kunang. Network Centralization Analysis Approach in the Spread of Hoax News on Social Media 303-308. [Crossref]

- 235. Paniagua, Rivelles, Sapena. 2019. Social Determinants of Success: Social Media, Corporate Governance and Revenue. *Sustainability* 11:19, 5164. [Crossref]
- 236. Chen, Li, Yang, Cong, Li. 2019. Modeling of the Public Opinion Polarization Process with the Considerations of Individual Heterogeneity and Dynamic Conformity. *Mathematics* **7**:10, 917. [Crossref]
- 237. Natalie Jomini Stroud, Ashley Muddiman. 2019. Social Media Engagement With Strategy- and Issue-Framed Political News. *Journal of Communication* **69**:5, 443-466. [Crossref]
- 238. R Kelly Garrett, Jacob A Long, Min Seon Jeong. 2019. From Partisan Media to Misperception: Affective Polarization as Mediator. *Journal of Communication* **69**:5, 490-512. [Crossref]
- 239. Ethan Porter, Thomas J. Wood. False Alarm 81, . [Crossref]
- 240. Brian E. Weeks, Homero Gil de Zúñiga. 2019. What's Next? Six Observations for the Future of Political Misinformation Research. *American Behavioral Scientist* 000276421987823. [Crossref]
- 241. Ján Mazúr, Mária T. Patakyová. 2019. Regulatory Approaches to Facebook and Other Social Media Platforms: Towards Platforms Design Accountability. *Masaryk University Journal of Law and Technology* 13:2, 219. [Crossref]
- 242. Ajnesh Prasad. 2019. Denying Anthropogenic Climate Change: Or, How Our Rejection of Objective Reality Gave Intellectual Legitimacy to Fake News. *Sociological Forum* 44. . [Crossref]
- 243. Roberto Mosquera, Mofioluwasademi Odunowo, Trent McNamara, Xiongfei Guo, Ragan Petrie. 2019. The economic effects of Facebook. *Experimental Economics* 97. . [Crossref]
- 244. Mitchell Church, Ravi Thambusamy, Hamid Nemati. 2019. User misrepresentation in online social networks: how competition and altruism impact online disclosure behaviours. *Behaviour & Information Technology* 41, 1-21. [Crossref]
- 245. Kristen Lane, Sidney J. Levy. Marketing in the Digital Age: A Moveable Feast of Information 13-33. [Crossref]
- 246. Mona S Kleinberg, Richard R Lau. 2019. The Importance of Political Knowledge for Effective Citizenship. *Public Opinion Quarterly* 83:2, 338-362. [Crossref]
- 247. Virginia Small, James Warn. 2019. Impacts on food policy from traditional and social media framing of moral outrage and cultural stereotypes. *Agriculture and Human Values* 31. . [Crossref]
- 248. Jennifer M. Connolly, Joseph E. Uscinski, Casey A. Klofstad, Jonathan P. West. 2019. Communicating to the Public in the Era of Conspiracy Theory. *Public Integrity* 21:5, 469-476. [Crossref]
- 249. Michael Landon-Murray, Edin Mujkic, Brian Nussbaum. 2019. Disinformation in Contemporary U.S. Foreign Policy: Impacts and Ethics in an Era of Fake News, Social Media, and Artificial Intelligence. *Public Integrity* 21:5, 512-522. [Crossref]
- 250. Bonnie Stabile, Aubrey Grant, Hemant Purohit, Kelsey Harris. 2019. Sex, Lies, and Stereotypes: Gendered Implications of Fake News for Women in Politics. *Public Integrity* 21:5, 491-502. [Crossref]
- 251. Janelle Benham. 2019. Best Practices for Journalistic Balance: Gatekeeping, Imbalance and the Fake News Era. *Journalism Practice* 53, 1-21. [Crossref]
- 252. Subin Sudhir, Anandakuttan B. Unnithan. 2019. Role of affect in marketplace rumor propagation. Marketing Intelligence & Planning 37:6, 631-644. [Crossref]
- 253. Lauren Lutzke, Caitlin Drummond, Paul Slovic, Joseph Árvai. 2019. Priming critical thinking: Simple interventions limit the influence of fake news about climate change on Facebook. *Global Environmental Change* 58, 101964. [Crossref]
- 254. Nora Kreyßig, Agnieszka Ewa Krautz. 2019. Lying and perception of lies by bilingual speakers. *Applied Psycholinguistics* **40**:05, 1313-1329. [Crossref]

- 255. Joseph Downing, Wasim Ahmed. 2019. #MacronLeaks as a "warning shot" for European democracies: challenges to election blackouts presented by social media and election meddling during the 2017 French presidential election. *French Politics* 17:3, 257–278. [Crossref]
- 256. R Kelly Garrett, Shannon Poulsen. 2019. Flagging Facebook Falsehoods: Self-Identified Humor Warnings Outperform Fact Checker and Peer Warnings. *Journal of Computer-Mediated Communication* 24:5, 240-258. [Crossref]
- 257. Alan F. Smeaton. Challenges Associated with Generative Forms of Multimedia Content (Keynote Talk) 1-3. [Crossref]
- 258. Indra Gamayanto, De Rosal Igantius Moses Setiadi, Muljono Muljono, Sasono Wibowo, Rizka Nugraha Pratikna, Arta Moro Sundjaja, Clara Hetty, Devi Purnamasari. The Concept of "Anti-Hoax Intelligence (CI1)" Inside Social Media using Ken Watanabe & Johari Window Methods 528-535. [Crossref]
- 259. Adi Prasetyo, Bayu Dwi Septianto, Guruh Fajar Shidik, Ahmad Zainul Fanani. Evaluation of Feature Extraction TF-IDF in Indonesian Hoax News Classification 1-6. [Crossref]
- 260. Ngo Van Long, Martin Richardson, Frank Stähler. 2019. Media, fake news, and debunking. *Economic Record* **95**:310, 312-324. [Crossref]
- 261. Andrew Duffy. 2019. Narrative Matters: You do you: teens' coconstruction of narrative, reality and identity on social media. *Child and Adolescent Mental Health* 24:3, 288-290. [Crossref]
- 262. Edson C. Tandoc. 2019. The facts of fake news: A research review. Sociology Compass 13:9. . [Crossref]
- 263. Jonathan Intravia, Justin T. Pickett. 2019. Stereotyping Online? Internet News, Social Media, and the Racial Typification of Crime. *Sociological Forum* 34:3, 616-642. [Crossref]
- 264. Jeremy Kepner, Kenjiro Cho, KC Claffy, Vijay Gadepally, Peter Michaleas, Lauren Milechin. Hypersparse Neural Network Analysis of Large-Scale Internet Traffic 1-11. [Crossref]
- 265. Daniel Vial, Vijay Subramanian. Local Non-Bayesian Social Learning with Stubborn Agents \* 902-903. [Crossref]
- 266. Shivangi Singhal, Rajiv Ratn Shah, Tanmoy Chakraborty, Ponnurangam Kumaraguru, Shin'ichi Satoh. SpotFake: A Multi-modal Framework for Fake News Detection 39-47. [Crossref]
- 267. Jan Philipp Rau, Sebastian Stier. 2019. Die Echokammer-Hypothese: Fragmentierung der Öffentlichkeit und politische Polarisierung durch digitale Medien?. Zeitschrift für Vergleichende Politikwissenschaft 13:3, 399-417. [Crossref]
- 268. Louisa Ha, Loarre Andreu Perez, Rik Ray. 2019. Mapping Recent Development in Scholarship on Fake News and Misinformation, 2008 to 2017: Disciplinary Contribution, Topics, and Impact. *American Behavioral Scientist* 16, 000276421986940. [Crossref]
- 269. Patrick Ferrucci, Toby Hopp, Chris J Vargo. 2019. Civic engagement, social capital, and ideological extremity: Exploring online political engagement and political expression on Facebook. *New Media & Society* 146144481987311. [Crossref]
- 270. Sinan Aral, Dean Eckles. 2019. Protecting elections from social media manipulation. *Science* **365**:6456, 858-861. [Crossref]
- 271. S. Mo Jones-Jang, Tara Mortensen, Jingjing Liu. 2019. Does Media Literacy Help Identification of Fake News? Information Literacy Helps, but Other Literacies Don't. *American Behavioral Scientist* 10, 000276421986940. [Crossref]
- 272. Johan Farkas, Jannick Schou. Political Theory in Post-factual Times 14-41. [Crossref]
- 273. Johan Farkas, Jannick Schou. Prophecies of Post-truth 45-67. [Crossref]

- 274. María Celeste Wagner, Pablo J. Boczkowski. 2019. The Reception of Fake News: The Interpretations and Practices That Shape the Consumption of Perceived Misinformation. *Digital Journalism* 7:7, 870-885. [Crossref]
- 275. Timothy Macafee. 2019. Biased into posting: interactions with social media network political posts during the 2016 U.S. presidential election. *Communication Research Reports* **36**:4, 326-337. [Crossref]
- 276. Anouk de Regt, Matteo Montecchi, Sarah Lord Ferguson. 2019. A false image of health: how fake news and pseudo-facts spread in the health and beauty industry. *Journal of Product & Brand Management* 29:2, 168-179. [Crossref]
- 277. Marco Battaglini, Eleonora Patacchini. 2019. Social Networks in Policy Making. *Annual Review of Economics* 11:1, 473-494. [Crossref]
- 278. Jonas Colliander. 2019. "This is fake news": Investigating the role of conformity to other users' views when commenting on and spreading disinformation in social media. *Computers in Human Behavior* 97, 202-215. [Crossref]
- 279. Maria Teresa Borges-Tiago, Flavio Tiago, Carla Cosme. 2019. Exploring users' motivations to participate in viral communication on social media. *Journal of Business Research* 101, 574-582. [Crossref]
- 280. Songqian Li, Kun Ma, Xuewei Niu, Yufeng Wang, Ke Ji, Ziqiang Yu, Zhenxiang Chen. Stacking-Based Ensemble Learning on Low Dimensional Features for Fake News Detection 2730-2735. [Crossref]
- 281. Mattia Zago, Pantaleone Nespoli, Dimitrios Papamartzivanos, Manuel Gil Perez, Felix Gomez Marmol, Georgios Kambourakis, Gregorio Martinez Perez. 2019. Screening Out Social Bots Interference: Are There Any Silver Bullets?. *IEEE Communications Magazine* 57:8, 98-104. [Crossref]
- 282. Ana S Cardenal, Carlos Aguilar-Paredes, Camilo Cristancho, Sílvia Majó-Vázquez. 2019. Echochambers in online news consumption: Evidence from survey and navigation data in Spain. *European Journal of Communication* 34:4, 360-376. [Crossref]
- 283. Arian Balouchestani, Mojtaba Mahdavi, Yeganeh Hallaj, Delaram Javdani. SANUB: A new method for Sharing and Analyzing News Using Blockchain 139-143. [Crossref]
- 284. Mohamed K. Elhadad, Kin Fun Li, Fayez Gebali. Fake News Detection on Social Media: A Systematic Survey 1-8. [Crossref]
- 285. Xiaoyan Lu, Jianxi Gao, Boleslaw K. Szymanski. 2019. The evolution of polarization in the legislative branch of government. *Journal of The Royal Society Interface* **16**:156, 20190010. [Crossref]
- 286. Emily K. Vraga, Melissa Tully. 2019. News literacy, social media behaviors, and skepticism toward information on social media. *Information, Communication & Society* 9, 1-17. [Crossref]
- 287. Marloes de Valk. 2019. What remains, un proyecto artístico que trata sobre las campañas de desinformación (re)utilizando estrategias para retrasar la regulación industrial. *Artnodes* :24, 34. [Crossref]
- 288. Peter Reinhard Hansen, Matthias Schmidtblaicher. 2019. A Dynamic Model of Vaccine Compliance: How Fake News Undermined the Danish HPV Vaccine Program. *Journal of Business & Economic Statistics* 5, 1-21. [Crossref]
- 289. Antino Kim, Patricia L. Moravec, Alan R. Dennis. 2019. Combating Fake News on Social Media with Source Ratings: The Effects of User and Expert Reputation Ratings. *Journal of Management Information Systems* 36:3, 931-968. [Crossref]
- 290. Jengchung Victor Chen, Mahmoud Abdullah Elakhdary, Quang-An Ha. 2019. The Continuance Use of Social Network Sites for Political Participation: Evidences from Arab Countries. *Journal of Global Information Technology Management* 22:3, 156-178. [Crossref]
- 291. Simge Andı, S. Erdem Aytaç, Ali Çarkoğlu. 2019. Internet and social media use and political knowledge: Evidence from Turkey. *Mediterranean Politics* 10, 1-21. [Crossref]

- 292. Edson C. Tandoc, Joy Jenkins, Stephanie Craft. 2019. Fake News as a Critical Incident in Journalism. *Journalism Practice* 13:6, 673-689. [Crossref]
- 293. Sebastián Valenzuela, Daniel Halpern, James E. Katz, Juan Pablo Miranda. 2019. The Paradox of Participation Versus Misinformation: Social Media, Political Engagement, and the Spread of Misinformation. *Digital Journalism* 7:6, 802-823. [Crossref]
- 294. Patricia G. Elmore, Julianne M. Coleman. 2019. Middle School Students' Analysis of Political Memes to Support Critical Media Literacy. *Journal of Adolescent & Adult Literacy* 63:1, 29-40. [Crossref]
- 295. Angela M. Kohnen, Gillian E. Mertens. 2019. "I'm Always Kind of Double-Checking": Exploring the Information-Seeking Identities of Expert Generalists. *Reading Research Quarterly* 54:3, 279-297. [Crossref]
- 296. Ping Zhang, Zhifeng Bao, Yudong Niu, Yipeng Zhang, Songsong Mo, Fei Geng, Zhiyong Peng. 2019. Proactive rumor control in online networks. *World Wide Web* 22:4, 1799-1818. [Crossref]
- 297. Lorenzo Bizzi, Alice Labban. 2019. The double-edged impact of social media on online trading: Opportunities, threats, and recommendations for organizations. *Business Horizons* **62**:4, 509-519. [Crossref]
- 298. Luis Terán, José Mancera. 2019. Dynamic profiles using sentiment analysis and twitter data for voting advice applications. *Government Information Quarterly* **36**:3, 520-535. [Crossref]
- 299. Michail Batikas, Jörg Claussen, Christian Peukert. 2019. Follow the money: Online piracy and self-regulation in the advertising industry. *International Journal of Industrial Organization* **65**, 121-151. [Crossref]
- 300. Chris Leeder. 2019. How college students evaluate and share "fake news" stories. Library & Information Science Research 41:3, 100967. [Crossref]
- 301. Zhan Liu, Shaban Shabani, Nicole Glassey Balet, Maria Sokhn. Detection of Satiric News on Social Media: Analysis of the Phenomenon with a French Dataset 1-6. [Crossref]
- 302. Chi-Ying Chen, Zon-Ying Shae, Chien-Jen Chang, Kuan-Yuh Lin, Shu-Mei Tan, Shao-Liang Chang. A Trusting News Ecosystem Against Fake News from Humanity and Technology Perspectives 132-137. [Crossref]
- 303. Zonyin Shae, Jeffrey Tsai. AI Blockchain Platform for Trusting News 1610-1619. [Crossref]
- 304. Rafael Angarita, Nikolaos Georgantas, Valerie Issarny. Social Middleware for Civic Engagement 1777-1786. [Crossref]
- 305. Fabio Martinelli, Francesco Mercaldo, Antonella Santone. Social Network Polluting Contents Detection through Deep Learning Techniques 1-10. [Crossref]
- 306. Kyeong-Hwan Kim, Chang-Sung Jeong. Fake News Detection System using Article Abstraction 209-212. [Crossref]
- 307. Patrick Halbach, Laura Burbach, Johannes Nakayama, Nils Plettenberg, Martina Ziefle, Andre Calero Valdez. Would I Lie to You? How Users Evaluate Faked Online Content Depending on Its Publication Type 56-64. [Crossref]
- 308. Stella Ladi, Vasiliki Tsagkroni. 2019. Analysing Crisis Parliamentary Discourse in Greece: Whom Should We Blame?. JCMS: Journal of Common Market Studies 57:4, 729-748. [Crossref]
- 309. Fabio Giglietto, Laura Iannelli, Augusto Valeriani, Luca Rossi. 2019. 'Fake news' is the invention of a liar: How false information circulates within the hybrid news system. *Current Sociology* **67**:4, 625-642. [Crossref]
- 310. Jesper Tække. 2019. Acquisition of new communication media and social (dis)connectivity. *Current Sociology* **67**:4, 579-593. [Crossref]

- 311. Tanya Notley, Michael Dezuanni. 2019. Advancing children's news media literacy: learning from the practices and experiences of young Australians. *Media, Culture & Society* 41:5, 689-707. [Crossref]
- 312. Logan Molyneux. 2019. A Personalized Self-image: Gender and Branding Practices Among Journalists. *Social Media* + *Society* 5:3, 205630511987295. [Crossref]
- 313. Tal Samuel-Azran, Tsahi Hayat. 2019. Online news recommendations credibility: The tie is mightier than the source. *Comunicar* 27:60, 71-80. [Crossref]
- 314. Bryson R. Payne, Edward L. Mienie. 2019. The Impact of Cyber-Physical Warfare on Global Human Security. *International Journal of Cyber Warfare and Terrorism* 9:3, 36-50. [Crossref]
- 315. Timothy G. Pollock, Kisha Lashley, Violina P. Rindova, Jung-Hoon Han. 2019. Which of These Things Are Not Like the Others? Comparing the Rational, Emotional, and Moral Aspects of Reputation, Status, Celebrity, and Stigma. *Academy of Management Annals* 13:2, 444-478. [Crossref]
- 316. Andrea Carson. The Rise of Collaborative Investigative Journalism 1 144-170. [Crossref]
- 317. Cristian Pop, Alexandru Popa. 2019. NewsCompare A novel application for detecting news influence in a country. *SoftwareX* **10**, 100305. [Crossref]
- 318. Norbert Merkovity. 2019. A Possible Framework for Attention-Based Politics. *International Journal of E-Politics* **10**:2, 13-23. [Crossref]
- 319. Adamkolo Mohammed Ibrahim. 2019. Theorizing the Journalism Model of Disinformation and Hate Speech Propagation in a Nigerian Democratic Context. *International Journal of E-Politics* **10**:2, 60-73. [Crossref]
- 320. Kai Kaspar, Moritz Müller-Jensen. 2019. Information seeking behavior on Facebook: The role of censorship endorsement and personality. *Current Psychology* 31. . [Crossref]
- 321. Andreia Fernandes Silva. 2019. Porque é que as fake news se transformaram em protagonistas do jornalismo contemporâneo?. *Comunicação pública* :Vol.14 nº 26. . [Crossref]
- 322. Linda W. Lee, David Hannah, Ian P. McCarthy. 2019. Do your employees think your slogan is "fake news?" A framework for understanding the impact of fake company slogans on employees. *Journal of Product & Brand Management* 29:2, 199-208. [Crossref]
- 323. Nicholas Snell, Jeremy Straub, Brandon Stoick, Terry Traylor, William Fleck. Assessing online media reliability: trust, metrics and assessment 8. [Crossref]
- 324. Herman Wasserman. Tabloidization of the News 277-289. [Crossref]
- 325. Manuel Goyanes. 2019. Antecedents of Incidental News Exposure: The Role of Media Preference, Use and Trust. *Journalism Practice* 39, 1-16. [Crossref]
- 326. Alex Alexandrou. Cybercrime 61-66. [Crossref]
- 327. Andrew Duffy, Edson Tandoc, Rich Ling. 2019. Too good to be true, too good not to share: the social utility of fake news. *Information, Communication & Society* 71, 1-15. [Crossref]
- 328. Joseph Firth, John Torous, Brendon Stubbs, Josh A. Firth, Genevieve Z. Steiner, Lee Smith, Mario Alvarez-Jimenez, John Gleeson, Davy Vancampfort, Christopher J. Armitage, Jerome Sarris. 2019. The "online brain": how the Internet may be changing our cognition. *World Psychiatry* 18:2, 119-129. [Crossref]
- 329. Zia Mehrabi, Simon Donner, Patricia Rios, Debarati Guha-Sapir, Pedram Rowhani, Milind Kandlikar, Navin Ramankutty. 2019. Can we sustain success in reducing deaths to extreme weather in a hotter world?. World Development Perspectives 14, 100107. [Crossref]
- 330. Kevin Hjortshøj O'Rourke. 2019. Economic History and Contemporary Challenges to Globalization. *The Journal of Economic History* **79**:2, 356-382. [Crossref]
- 331. Alexander Lanoszka. 2019. Disinformation in international politics. *European Journal of International Security* 4:2, 227-248. [Crossref]

- 332. Angela Anthony, Richard Moulding. 2019. Breaking the news: Belief in fake news and conspiracist beliefs. *Australian Journal of Psychology* 71:2, 154-162. [Crossref]
- 333. Harikrishnan Bhaskaran, Harsh Mishra, Pradeep Nair. 2019. Journalism Education in Post-Truth Era: Pedagogical Approaches Based on Indian Journalism Students' Perception of Fake News. *Journalism & Mass Communication Educator* 74:2, 158-170. [Crossref]
- 334. Bruce Mutsvairo, Saba Bebawi. 2019. Journalism Educators, Regulatory Realities, and Pedagogical Predicaments of the "Fake News" Era: A Comparative Perspective on the Middle East and Africa. *Journalism & Mass Communication Educator* 74:2, 143-157. [Crossref]
- 335. Xinzhe Wang, Xu Wu, Xiaqing Xie, Jin Xu. Hybrid Text Topic Discovery Method for Multi-source Information 445-452. [Crossref]
- 336. Camilo Onoda Luiz Caldas, Pedro Neris Luiz Caldas. 2019. Estado, democracia e tecnologia: conflitos políticos e vulnerabilidade no contexto do big-data, das fake news e das shitstorms. *Perspectivas em Ciência da Informação* 24:2, 196-220. [Crossref]
- 337. Pavel Korshunov, Sebastien Marcel. Vulnerability assessment and detection of Deepfake videos 1-6. [Crossref]
- 338. Ascensión Andina-Díaz, José A. García-Martínez, Antonio Parravano. 2019. The market for scoops: a dynamic approach. SERIEs 10:2, 175-206. [Crossref]
- 339. Moncef Belhadjali, Gary Whaley, Sami Abbasi. 2019. Assigning Responsibility for Preventing the Spread of Misinformation Online: Some Findings on Gender Differences. *International Journal of Innovation Education and Research* 7:5, 195-201. [Crossref]
- 340. Karishma Sharma, Feng Qian, He Jiang, Natali Ruchansky, Ming Zhang, Yan Liu. 2019. Combating Fake News. ACM Transactions on Intelligent Systems and Technology 10:3, 1-42. [Crossref]
- 341. Vinaya Manchaiah, Berth Danermark, Per Germundsson, Pierre Ratinaud. Advantages of the Social Representations Theory and further directions 159-171. [Crossref]
- 342. Adam J. Mills, Karen Robson. 2019. Brand management in the era of fake news: narrative response as a strategy to insulate brand value. *Journal of Product & Brand Management* 29:2, 159-167. [Crossref]
- 343. Michail Vafeiadis, Denise S. Bortree, Christen Buckley, Pratiti Diddi, Anli Xiao. 2019. Refuting fake news on social media: nonprofits, crisis response strategies and issue involvement. *Journal of Product & Brand Management* 29:2, 209-222. [Crossref]
- 344. Cleber Pinelli Teixeira, Jônatas Castro dos Santos, Reisla D'Almeida Rodrigues, Sean Wolfgand Matsui Siqueira, Renata Araujo. Chapter 14 Social Media and the Brazilian Politics: A Close Look at the Different Perspectives and "The Brazil I Want" Initiative 203-219. [Crossref]
- 345. Daniel Belanche, Isabel Cenjor, Alfredo Pérez-Rueda. 2019. Instagram Stories versus Facebook Wall: an advertising effectiveness analysis. *Spanish Journal of Marketing ESIC* **23**:1, 69-94. [Crossref]
- 346. Diyana Dobreva, Daniel Grinnell, Martin Innes. 2019. Prophets and Loss: How "Soft Facts" on Social Media Influenced the Brexit Campaign and Social Reactions to the Murder of Jo Cox MP. *Policy & Internet* 31. . [Crossref]
- 347. Caitlin Candice Ferreira, Jeandri Robertson, Marnell Kirsten. 2019. The truth (as I see it): philosophical considerations influencing a typology of fake news. *Journal of Product & Brand Management* 29:2, 150-158. [Crossref]
- 348. Jeannette Paschen. 2019. Investigating the emotional appeal of fake news using artificial intelligence and human contributions. *Journal of Product & Brand Management* 29:2, 223-233. [Crossref]
- 349. Jon Roozenbeek, Sander van der Linden. 2019. The fake news game: actively inoculating against the risk of misinformation. *Journal of Risk Research* **22**:5, 570-580. [Crossref]
- 350. GREGORY J. MARTIN, JOSHUA McCRAIN. 2019. Local News and National Politics. *American Political Science Review* 113:2, 372-384. [Crossref]

- 351. Itzhak Yanovitzky, Matthew S Weber. 2019. News Media as Knowledge Brokers in Public Policymaking Processes. *Communication Theory* **29**:2, 191-212. [Crossref]
- 352. Florian Arendt, Mario Haim, Julia Beck. 2019. Fake News, Warnhinweise und perzipierter Wahrheitsgehalt: Zur unterschiedlichen Anfälligkeit für Falschmeldungen in Abhängigkeit von der politischen Orientierung. *Publizistik* 64:2, 181-204. [Crossref]
- 353. Yariv Tsfati, Nathan Walter. Credibility 1-5. [Crossref]
- 354. Rong Tang, Kyong Eun Oh. 2019. University students' mobile news consumption activities and evaluative/affective reactions to political news during election campaigns: A diary study. *Journal of Information Science* 19, 016555151984585. [Crossref]
- 355. Dumisani Moyo, Admire Mare, Trust Matsilele. 2019. Analytics-Driven Journalism? Editorial Metrics and the Reconfiguration of Online News Production Practices in African Newsrooms". *Digital Journalism* 7:4, 490-506. [Crossref]
- 356. Edward Rock Davis, Rachel Wilson, John Robert Evans. 2019. Media neglect of Indigenous student performance in the Programme for International Student Assessment (PISA) 2001–2015. *The Australian Journal of Indigenous Education* 8, 1-11. [Crossref]
- 357. Shanto Iyengar, Douglas S. Massey. 2019. Scientific communication in a post-truth society. *Proceedings of the National Academy of Sciences* 116:16, 7656-7661. [Crossref]
- 358. Subin Sudhir, Anandakuttan B. Unnithan. 2019. Marketplace rumor sharing among young consumers: the role of anxiety and arousal. *Young Consumers* 20:1, 1-13. [Crossref]
- 359. Erik Brynjolfsson, Avinash Collis, Felix Eggers. 2019. Using massive online choice experiments to measure changes in well-being. *Proceedings of the National Academy of Sciences* 116:15, 7250-7255. [Crossref]
- 360. Amy I. Nathanson, William P. Eveland. 2019. Parental mediation during the U.S. 2016 presidential election campaign: How parents criticized, restricted, and co-viewed news coverage. *Communication Monographs* 86:2, 184-204. [Crossref]
- 361. Jana Laura Egelhofer, Sophie Lecheler. 2019. Fake news as a two-dimensional phenomenon: a framework and research agenda. *Annals of the International Communication Association* 43:2, 97-116. [Crossref]
- 362. Frederik Hjorth, Rebecca Adler-Nissen. 2019. Ideological Asymmetry in the Reach of Pro-Russian Digital Disinformation to United States Audiences. *Journal of Communication* **69**:2, 168-192. [Crossref]
- 363. Hunt Allcott, Matthew Gentzkow, Chuan Yu. 2019. Trends in the diffusion of misinformation on social media. *Research & Politics* 6:2, 205316801984855. [Crossref]
- 364. Masahiro Yamamoto, Alyssa C. Morey. 2019. Incidental News Exposure on Social Media: A Campaign Communication Mediation Approach. *Social Media* + *Society* 5:2, 205630511984361. [Crossref]
- 365. Raquel Recuero, Gabriela Zago, Felipe Soares. 2019. Using Social Network Analysis and Social Capital to Identify User Roles on Polarized Political Conversations on Twitter. *Social Media + Society* 5:2, 205630511984874. [Crossref]
- 366. A. V. Aleinikov, V. P. Miletskiy, N. P. Pimenov, A. I. Strebkov. 2019. The "Fake-News" Phenomenon and Transformation of Information Strategies in the Digital Society. *Scientific and Technical Information Processing* 46:2, 117-122. [Crossref]
- 367. Veronika Villnow, Meike Rombach, Vera Bitsch. 2019. Examining German Media Coverage of the Re-Evaluation of Glyphosate. *Sustainability* 11:7, 1910. [Crossref]
- 368. R. Kelly Garrett. 2019. Social media's contribution to political misperceptions in U.S. Presidential elections. *PLOS ONE* 14:3, e0213500. [Crossref]
- 369. Lloyd S. Etheredge. Wisdom in History and Politics 721-753. [Crossref]

- 370. Isabella Hansen, Darren J. Lim. 2019. Doxing democracy: influencing elections via cyber voter interference. *Contemporary Politics* 25:2, 150-171. [Crossref]
- 371. Byron Reeves, Nilam Ram, Thomas N. Robinson, James J. Cummings, C. Lee Giles, Jennifer Pan, Agnese Chiatti, Mj Cho, Katie Roehrick, Xiao Yang, Anupriya Gagneja, Miriam Brinberg, Daniel Muise, Yingdan Lu, Mufan Luo, Andrew Fitzgerald, Leo Yeykelis. 2019. Screenomics: A Framework to Capture and Analyze Personal Life Experiences and the Ways that Technology Shapes Them. Human–Computer Interaction 3, 1-52. [Crossref]
- 372. Avi Goldfarb, Catherine Tucker. 2019. Digital Economics. *Journal of Economic Literature* **57**:1, 3-43. [Abstract] [View PDF article] [PDF with links]
- 373. George Cairns, George Wright. 2019. Making scenario interventions matter: Exploring issues of power and rationality. Futures & Foresight Science 1:1, e10. [Crossref]
- 374. Martina Temmerman, Renée Moernaut, Roel Coesemans, Jelle Mast. 2019. Post-truth and the political: Constructions and distortions in representing political facts. *Discourse, Context & Media* 27, 1-6. [Crossref]
- 375. G. Harianto, E. B. Setiawan, Y. R. Murti. 2019. Automated social media account identification using Simplified Brute Force. *Journal of Physics: Conference Series* 1192, 012054. [Crossref]
- 376. Anjan Pal, Alton Y. K. Chua. Propagation Pattern as a Telltale Sign of Fake News on Social Media 269-273. [Crossref]
- 377. Alfred T.-K. Ho. 2019. Donald F. Kettl, Can Government Earn Our Trust? (Malden, MA: Polity Press, 2017). 144 pp. \$10.99 (e-Book), ISBN: 9781509522491. Roberts, Alasdair, Can Government Do Anything Right? (Malden, MA: Polity Press, 2018). 144 pp. \$8.99 (e-Book), ISBN: 9781509521517. Public Administration Review 79:2, 291-294. [Crossref]
- 378. Cecile H. Sam. 2019. Shaping Discourse Through Social Media: Using Foucauldian Discourse Analysis to Explore the Narratives That Influence Educational Policy. *American Behavioral Scientist* 63:3, 333-350. [Crossref]
- 379. Rebecca S. Natow. 2019. Online Qualitative Data Sources for Federal Regulatory Policy Studies. American Behavioral Scientist 63:3, 315-332. [Crossref]
- 380. Vishal Bhavsar, Shuo Zhang, Dinesh Bhugra. 2019. Conceptualizing globalization for mental health research. *International Journal of Social Psychiatry* **65**:2, 87-91. [Crossref]
- 381. Eduard Fourie, Martin Terre Blanche. 2019. About accountants and translators: reshaping community engagement in South African psychology. South African Journal of Psychology 49:1, 39-51. [Crossref]
- 382. Adam J. Mills, Christine Pitt, Sarah Lord Ferguson. 2019. The Relationship between Fake News And Advertising. *Journal of Advertising Research* **59**:1, 3-8. [Crossref]
- 383. Timothy Sellnow, Adam Parrish, Lauren Semenas. 2019. From Hoax as Crisis to Crisis as Hoax: Fake News and Information Disorder as Disruptions to the Discourse of Renewal. *Journal of International Crisis and Risk Communication Research* 2:1, 121-142. [Crossref]
- 384. Jung-Yoon Yum, Se-Hoon Jeong. 2019. Predictors of fake news exposure and sharing: personality, new media literacy, and motives. *Korean Journal of Journalism & Communication Studies* **63**:1, 7-45. [Crossref]
- 385. Peter Buneman, Wang-Chiew Tan. 2019. Data Provenance. ACM SIGMOD Record 47:3, 5-16. [Crossref]
- 386. Pippa Norris, Ronald Inglehart. Cultural Backlash 17, . [Crossref]
- 387. Craig J. Thompson. 2019. The 'big data' myth and the pitfalls of 'thick data' opportunism: on the need for a different ontology of markets and consumption. *Journal of Marketing Management* 35:3-4, 207-230. [Crossref]

- 388. Katherine Clayton, Spencer Blair, Jonathan A. Busam, Samuel Forstner, John Glance, Guy Green, Anna Kawata, Akhila Kovvuri, Jonathan Martin, Evan Morgan, Morgan Sandhu, Rachel Sang, Rachel Scholz-Bright, Austin T. Welch, Andrew G. Wolff, Amanda Zhou, Brendan Nyhan. 2019. Real Solutions for Fake News? Measuring the Effectiveness of General Warnings and Fact-Check Tags in Reducing Belief in False Stories on Social Media. *Political Behavior* 38. . [Crossref]
- 389. Fabio Sabatini, Francesco Sarracino. 2019. Online Social Networks and Trust. *Social Indicators Research* 142:1, 229-260. [Crossref]
- 390. Megan A. Vendemia, Robert M. Bond, David C. DeAndrea. 2019. The strategic presentation of user comments affects how political messages are evaluated on social media sites: Evidence for robust effects across party lines. *Computers in Human Behavior* 91, 279-289. [Crossref]
- 391. Eric Knight, Haridimos Tsoukas. 2019. When Fiction Trumps Truth: What 'post-truth' and 'alternative facts' mean for management studies. *Organization Studies* 40:2, 183-197. [Crossref]
- 392. Cuihua Shen, Mona Kasra, Wenjing Pan, Grace A Bassett, Yining Malloch, James F O'Brien. 2019. Fake images: The effects of source, intermediary, and digital media literacy on contextual assessment of image credibility online. *New Media & Society* 21:2, 438-463. [Crossref]
- 393. Oliver Kovacs. 2019. Big IFs in Productivity-Enhancing Industry 4.0. Social Sciences 8:2, 37. [Crossref]
- 394. Philip Mirowski. 2019. Hell Is Truth Seen Too Late. boundary 2 46:1, 1-53. [Crossref]
- 395. Martin Innes, Diyana Dobreva, Helen Innes. 2019. Disinformation and digital influencing after terrorism: spoofing, truthing and social proofing. *Contemporary Social Science* 1-15. [Crossref]
- 396. Nir Grinberg, Kenneth Joseph, Lisa Friedland, Briony Swire-Thompson, David Lazer. 2019. Fake news on Twitter during the 2016 U.S. presidential election. *Science* 363:6425, 374-378. [Crossref]
- 397. Paul D. Kenny. 2019. "The Enemy of the People": Populists and Press Freedom. *Political Research Quarterly* 31, 106591291882403. [Crossref]
- 398. Edward Hurcombe, Jean Burgess, Stephen Harrington. 2019. What's newsworthy about 'social news'? Characteristics and potential of an emerging genre. *Journalism* 31, 146488491879393. [Crossref]
- 399. . References 179-204. [Crossref]
- 400. Nurhan KAVAKLI. 2019. Yalan Haberle Mücadele ve İnternet Teyit/Doğrulama Platformları. *Erciyes İletişim Dergisi* 6:1, 663-682. [Crossref]
- 401. Nurhan KAVAKLI. 2019. ÜNİVERSİTE ÖĞRENCİLERİ ARASINDA İNTERNET TEYİT/ DOĞRULAMA PLATFORMLARININ KULLANIMI. Elektronik Sosyal Bilimler Dergisi 18:69, 398-411. [Crossref]
- 402. John Buschman. 2019. Good news, bad news, and fake news. *Journal of Documentation* **75**:1, 213-228. [Crossref]
- 403. LEE Jerome, Alex Elwick. 2019. Identifying an Educational Response to the Prevent Policy: Student Perspectives on Learning about Terrorism, Extremism and Radicalisation. *British Journal of Educational Studies* 67:1, 97-114. [Crossref]
- 404. Emily Van Duyn, Jessica Collier. 2019. Priming and Fake News: The Effects of Elite Discourse on Evaluations of News Media. *Mass Communication and Society* 22:1, 29-48. [Crossref]
- 405. Óscar G. Luengo, Jaime Peláez-Berbell. 2019. Exploring the accuracy of electoral polls during campaigns in 2016: only bad press?. *Contemporary Social Science* 14:1, 43-53. [Crossref]
- 406. Joshua A. Braun, Jessica L. Eklund. 2019. Fake News, Real Money: Ad Tech Platforms, Profit-Driven Hoaxes, and the Business of Journalism. *Digital Journalism* 7:1, 1-21. [Crossref]
- 407. Terry Flew. 2019. Digital communication, the crisis of trust, and the post-global. *Communication Research and Practice* 5:1, 4-22. [Crossref]

- 408. Stanley Tsarwe, Admire Mare. 2019. Journalistic Framing of Electoral Conflict in a Politically Fragile Society: A Comparative Study of the Zimbabwean Weekly Press. *African Journalism Studies* 40:1, 18-35. [Crossref]
- 409. Wonchan Choi, Maria Haigh. 2019. Analyzing divergent methodologies for political fact checking: United States and South Korea. *Proceedings of the Association for Information Science and Technology* **56**:1, 627-628. [Crossref]
- 410. Melissa M. Cyrill, Aftab Kamal Pasha. Diplomacy in the Internet Age—Challenges and Opportunities for the UAE 85-93. [Crossref]
- 411. K. Anoop, Manjary P. Gangan, Deepak P, V. L. Lajish. Leveraging Heterogeneous Data for Fake News Detection 229-264. [Crossref]
- 412. Tereza Kuldova. Popular Culture, Populism and the Figure of the 'Criminal' On the Rising Popular Support of Outlaw Bikers and Anti-Establishment Resentment 233-258. [Crossref]
- 413. Michael Orlov, Marina Litvak. Using Behavior and Text Analysis to Detect Propagandists and Misinformers on Twitter 67-74. [Crossref]
- 414. Ashley Stewart, Joshua Schuschke, Brendesha Tynes. Online Racism: Adjustment and Protective Factors Among Adolescents of Color 501-513. [Crossref]
- 415. Ania Korsunska. The Spread and Mutation of Science Misinformation 162-169. [Crossref]
- 416. Nitin Verma, Kenneth R. Fleischmann, Kolina S. Koltai. Understanding Online Trust and Information Behavior Using Demographics and Human Values 654-665. [Crossref]
- 417. Manuel Au-Yong-Oliveira, Carlota P. A. Carlos, Hugo Pintor, João Caires, Julia Zanoni. Fake News and Social Networks: How Users Interact with Fake Content 195-205. [Crossref]
- 418. Monika Bednarek. The Language and News Values of 'Most Highly Shared' News 157-188. [Crossref]
- 419. Darren G. Lilleker. The Power of Visual Political Communication: Pictorial Politics Through the Lens of Communication Psychology 37-51. [Crossref]
- 420. Kirsten Liere-Netheler, León Gilhaus, Kristin Vogelsang, Uwe Hoppe. A Literature Review on Application Areas of Social Media Analytics 38-49. [Crossref]
- 421. Adrian M. P. Braşoveanu, Răzvan Andonie. Semantic Fake News Detection: A Machine Learning Perspective 656-667. [Crossref]
- 422. Gautam Prakash, Ravinder Kumar Verma, P. Vigneswara Ilavarasan, Arpan K. Kar. Authenticating Fake News: An Empirical Study in India 339-350. [Crossref]
- 423. Joshua Uyheng, Kathleen M. Carley. Characterizing Bot Networks on Twitter: An Empirical Analysis of Contentious Issues in the Asia-Pacific 153-162. [Crossref]
- 424. Zahra Rajabi, Amarda Shehu, Hemant Purohit. User Behavior Modelling for Fake Information Mitigation on Social Web 234-244. [Crossref]
- 425. Tahora H. Nazer, Matthew Davis, Mansooreh Karami, Leman Akoglu, David Koelle, Huan Liu. Bot Detection: Will Focusing on Recall Cause Overall Performance Deterioration? 39-49. [Crossref]
- 426. Daniel Halpern, Sebastián Valenzuela, James Katz, Juan Pablo Miranda. From Belief in Conspiracy Theories to Trust in Others: Which Factors Influence Exposure, Believing and Sharing Fake News 217-232. [Crossref]
- 427. Margarita Bugueño, Gabriel Sepulveda, Marcelo Mendoza. An Empirical Analysis of Rumor Detection on Microblogs with Recurrent Neural Networks 293-310. [Crossref]
- 428. Yangqian Wang, Hao Han, Ye Ding, Xuan Wang, Qing Liao. Learning Contextual Features with Multi-head Self-attention for Fake News Detection 132-142. [Crossref]
- 429. Hailu Xu, Liting Hu, Pinchao Liu, Boyuan Guan. Exploiting the Spam Correlations in Scalable Online Social Spam Detection 146-160. [Crossref]

- 430. Christian Scheibenzuber, Nicolae Nistor. Media Literacy Training Against Fake News in Online Media 688-691. [Crossref]
- 431. Douglas Vitório, Ellen Souza, Adriano L. I. Oliveira. Evaluating Active Learning Sampling Strategies for Opinion Mining in Brazilian Politics Corpora 695-707. [Crossref]
- 432. Andon Tchechmedjiev, Pavlos Fafalios, Katarina Boland, Malo Gasquet, Matthäus Zloch, Benjamin Zapilko, Stefan Dietze, Konstantin Todorov. ClaimsKG: A Knowledge Graph of Fact-Checked Claims 309-324. [Crossref]
- 433. Guoyong Hu, Ye Ding, Shuhan Qi, Xuan Wang, Qing Liao. Multi-depth Graph Convolutional Networks for Fake News Detection 698-710. [Crossref]
- 434. Jairo L. Alves, Leila Weitzel, Paulo Quaresma, Carlos E. Cardoso, Luan Cunha. Brazilian Presidential Elections in the Era of Misinformation: A Machine Learning Approach to Analyse Fake News 72-84. [Crossref]
- 435. Hemant Purohit, Rahul Pandey. Intent Mining for the Good, Bad, and Ugly Use of Social Web: Concepts, Methods, and Challenges 3-18. [Crossref]
- 436. Ugur Kursuncu, Manas Gaur, Usha Lokala, Krishnaprasad Thirunarayan, Amit Sheth, I. Budak Arpinar. Predictive Analysis on Twitter: Techniques and Applications 67-104. [Crossref]
- 437. André Calero Valdez, Martina Ziefle. Believability of News 469-477. [Crossref]
- 438. Matthew S. McGlone, Mark L. Knapp. Historical Perspectives on the Study of Lying and Deception 3-28. [Crossref]
- 439. Marc-André Kaufhold, Christian Reuter. Cultural Violence and Peace in Social Media 361-381. [Crossref]
- 440. Ramian Fathi, Anne-Marie Brixy, Frank Fiedrich. Desinformationen und Fake-News in der Lage: Virtual Operations Support Team (VOST) und Digital Volunteers im Einsatz 211-235. [Crossref]
- 441. Ritam Dutt, Ashok Deb, Emilio Ferrara. "Senator, We Sell Ads": Analysis of the 2016 Russian Facebook Ads Campaign 151-168. [Crossref]
- 442. Pavica Sheldon, Philipp A. Rauschnabel, James M. Honeycutt. Social Media Lies and Rumors 151-167. [Crossref]
- 443. Jason C. Coronel, Daniel Colón Amill, Erin Drouin. Two-way translation: Advancing knowledge of politics and psychology via the study of bilingual voters 39-65. [Crossref]
- 444. Sangwon Lee, Michael Xenos. 2019. Social distraction? Social media use and political knowledge in two U.S. Presidential elections. *Computers in Human Behavior* **90**, 18-25. [Crossref]
- 445. Shintaro Miura. 2019. Manipulated news model: Electoral competition and mass media. *Games and Economic Behavior* 113, 306-338. [Crossref]
- 446. Ellen Middaugh. 2019. More Than Just Facts: Promoting Civic Media Literacy in the Era of Outrage. *Peabody Journal of Education* **94**:1, 17-31. [Crossref]
- 447. Patrick J Kennedy, Andrea Prat. 2019. Where do people get their news?\*. *Economic Policy* **34**:97, 5-47. [Crossref]
- 448. Wenli Yang, Erfan Aghasian, Saurabh Garg, David Herbert, Leandro Disiuta, Byeong Kang. 2019. A Survey on Blockchain-Based Internet Service Architecture: Requirements, Challenges, Trends, and Future. *IEEE Access* 7, 75845-75872. [Crossref]
- 449. Muhammad Shahroz Nadeem, Virginia N. L. Franqueira, Xiaojun Zhai, Fatih Kurugollu. 2019. A Survey of Deep Learning Solutions for Multimedia Visual Content Analysis. *IEEE Access* 7, 84003-84019. [Crossref]

- 450. Axel Oehmichen, Kevin Hua, Julio Amador Diaz Lopez, Miguel Molina-Solana, Juan Gomez-Romero, Yi-ke Guo. 2019. Not All Lies Are Equal. A Study Into the Engineering of Political Misinformation in the 2016 US Presidential Election. *IEEE Access* 7, 126305-126314. [Crossref]
- 451. Tanzeela Jameel, Rukhsana Ali, Kamran Ahmed Malik. Social Media as an Opinion Formulator: A Study on Implications and Recent Developments 1-6. [Crossref]
- 452. Andrew Guess, Jonathan Nagler, Joshua Tucker. 2019. Less than you think: Prevalence and predictors of fake news dissemination on Facebook. *Science Advances* 5:1, eaau4586. [Crossref]
- 453. Vivian Lai, Chenhao Tan. On Human Predictions with Explanations and Predictions of Machine Learning Models 29-38. [Crossref]
- 454. Xinyi Zhou, Reza Zafarani, Kai Shu, Huan Liu. Fake News 836-837. [Crossref]
- 455. Minsuk Choi, Cheonbok Park, Soyoung Yang, Yonggyu Kim, Jaegul Choo, Sungsoo Ray Hong. AILA 1-12. [Crossref]
- 456. Abu Saleh Md Noman, Sanchari Das, Sameer Patil. Techies Against Facebook 1-15. [Crossref]
- 457. Armin Mertens, Franziska Pradel, Ayjeren Rozyjumayeva, Jens Wäckerle. As the Tweet, so the Reply? 193-201. [Crossref]
- 458. Alireza Karduni, Isaac Cho, Ryan Wesslen, Sashank Santhanam, Svitlana Volkova, Dustin L Arendt, Samira Shaikh, Wenwen Dou. Vulnerable to misinformation? 312-323. [Crossref]
- 459. Lukasz Porwol, Adegboyega Ojo. Harnessing Virtual Reality for e-Participation 324-331. [Crossref]
- 460. Kurt Wirth, Ericka Menchen-Trevino, Ryan T. Moore. Bots By Topic 77-82. [Crossref]
- 461. Michael A. Stefanone, Matthew Vollmer, Jessica M. Covert. In News We Trust? 136-147. [Crossref]
- 462. Janaína Ignácio de Morais, Hugo Queiroz Abonizio, Gabriel Marques Tavares, André Azevedo da Fonseca, Sylvio Barbon. Deciding among Fake, Satirical, Objective and Legitimate news 1-8. [Crossref]
- 463. Christian Siregar, Murty Magda Pane, Rusliansyah Anwar. Pancasila, Ethos Respect, and Anti-hoaxes on Internet-based Social Media 3-7. [Crossref]
- 464. David Blanco-Herrero, Carlos Arcila Calderón. Spread and reception of fake news promoting hate speech against migrants and refugees in social media 949-955. [Crossref]
- 465. Iñaki Celaya, María Soledad Ramírez-Montoya, Concepción Naval, Elena Arbués. The educational potential of the podcast 1040-1045. [Crossref]
- 466. Nicolas M. Anspach, Jay T. Jennings, Kevin Arceneaux. 2019. A little bit of knowledge: Facebook's News Feed and self-perceptions of knowledge. *Research & Politics* 6:1, 205316801881618. [Crossref]
- 467. Fatemeh Torabi Asr, Maite Taboada. 2019. Big Data and quality data for fake news and misinformation detection. *Big Data & Society* **6**:1, 205395171984331. [Crossref]
- 468. Anjie Fang, Philip Habel, Iadh Ounis, Craig MacDonald. 2019. Votes on Twitter: Assessing Candidate Preferences and Topics of Discussion During the 2016 U.S. Presidential Election. *SAGE Open* 9:1, 215824401879165. [Crossref]
- 469. Andres Algaba, David Ardia, Keven Bluteau, Samuel Borms, Kris Boudt. 2019. Econometrics Meets Sentiment: An Overview of Methodology and Applications. SSRN Electronic Journal. [Crossref]
- 470. Elisa Long, Keith Chen, Ryne Rohla. 2019. Political Storms: Tracking Hurricane Evacuation Behavior Using Smartphone Data. SSRN Electronic Journal . [Crossref]
- 471. Felix Chopra, Ingar Haaland, Christopher Roth. 2019. Do People Value More Informative News?. SSRN Electronic Journal. [Crossref]
- 472. Matthias Georg Will, Ingo Pies. 2019. Developing Advocacy Strategies for Avoiding Discourse Failure through Moralizing and Emotionalizing Campaigns. SSRN Electronic Journal . [Crossref]

- 473. Pier Luigi Parcu. 2019. New Digital Threats to Media Pluralism in the Information Age. SSRN Electronic Journal. [Crossref]
- 474. Elliott Ash, Sergio Galletta. 2019. Partisan Media and Fiscal Policy Choices: Evidence from U.S. Cable News Channels. SSRN Electronic Journal . [Crossref]
- 475. Haemin Jee, Hans Lueders, Rachel Myrick. 2019. Towards a Unified Concept of Democratic Backsliding. SSRN Electronic Journal . [Crossref]
- 476. Elliott Ash, Mikhail Poyker. 2019. Conservative News Media and Criminal Justice: Evidence from Exposure to Fox News Channel. SSRN Electronic Journal. [Crossref]
- 477. Michele Cantarella, Nicolò Fraccaroli, Roberto Geno Volpe. 2019. Does Fake News Affect Voting Behaviour?. SSRN Electronic Journal . [Crossref]
- 478. Danilo Vassallo, Giacomo Bormetti, Fabrizio Lillo. 2019. A Tale of Two Sentiment Scales: Disentangling Short-Run and Long-Run Components in Multivariate Sentiment Dynamics. SSRN Electronic Journal . [Crossref]
- 479. Niels Dalum Hansen, Kåre Mølbak, Ingemar Johansson Cox, Christina Lioma. 2019. Relationship Between Media Coverage and Measles-Mumps-Rubella (MMR) Vaccination Uptake in Denmark: Retrospective Study. *JMIR Public Health and Surveillance* 5:1, e9544. [Crossref]
- 480. Byeowool Kim, Yongik Yoon. 2019. Journalism Model Based on Blockchain with Sharing Space. Symmetry 11:1, 19. [Crossref]
- 481. Dixie D. Massey. Texts and Tasks 78-99. [Crossref]
- 482. Anjan Pal, Snehasish Banerjee. Understanding Online Falsehood From the Perspective of Social Problem 1-17. [Crossref]
- 483. Thomas Dale. The Fundamental Roles of Technology in the Spread of Fake News 122-137. [Crossref]
- 484. Rosanna E. Guadagno, Karen Guttieri. Fake News and Information Warfare 167-191. [Crossref]
- 485. Benson Rajan. New Mythologies of Fake News 192-208. [Crossref]
- 486. Michael Etter, Davide Ravasi, Elanor Colleoni. 2019. Social Media and the Formation of Organizational Reputation. *Academy of Management Review* 44:1, 28-52. [Crossref]
- 487. Craig R. McClain. 2019. Likes, comments, and shares of marine organism imagery on Facebook. *PeerJ* 7, e6795. [Crossref]
- 488. Pier Luigi Parcu. 2019. New digital threats to media pluralism in the information age. Competition and Regulation in Network Industries 178359171988610. [Crossref]
- 489. Paolo Gerbaudo, Federico Marogna, Chiara Alzetta. 2019. When "Positive Posting" Attracts Voters: User Engagement and Emotions in the 2017 UK Election Campaign on Facebook. *Social Media + Society* 5:4, 205630511988169. [Crossref]
- 490. David Godes, Dina Mayzlin, Odilon Camara, Doug Chung, Chris Hydock, Richard Kotchmar, Claire Lim, Sarah Moshary, Neeru Paharia, Nils Wernerfelt, Pinar Yildirim, Ali Yurukoglu, Lingling Zhang. 2019. Politics, Persuasion and Choice. SSRN Electronic Journal. [Crossref]
- 491. Sergei Guriev, Nikita Melnikov, Ekaterina Zhuravskaya. 2019. 3G Internet and Confidence in Government. SSRN Electronic Journal. [Crossref]
- 492. Mary M. Medlin, Donald F. Sacco, Mitch Brown. 2019. Political Orientation and Belief in Science in a U.S. College Sample. *Psychological Reports* 003329411988958. [Crossref]
- 493. Polly Wainwright, Houssain Kettani. An Analysis of Botnet Models 116-121. [Crossref]
- 494. Curd Knüpfer. Die Medien in den USA 1-16. [Crossref]
- 495. Ilan Manor. The Specter of Echo Chambers—Public Diplomacy in the Age of Disinformation 135-176. [Crossref]

- 496. Avishai Green. 2019. Speaking Bullshit to Power: Populism and the Rhetoric of Bullshit. SSRN Electronic Journal. [Crossref]
- 497. Sopan Khosla, Niyati Chhaya, Shivam Jindal, Oindrila Saha, Milind Srivastava. Do Events Change Opinions on Social Media? Studying the 2016 US Presidential Debates 287-297. [Crossref]
- 498. Delia Neuman, Mary Jean Tecce DeCarlo, Vera J. Lee, Stacey Greenwell, Allen Grant. Expanding Information Literacy: The Roles of Digital and Critical Literacies in Learning with Information 93-117. [Crossref]
- 499. Laura Burbach, Patrick Halbach, Martina Ziefle, André Calero Valdez. Bubble Trouble: Strategies Against Filter Bubbles in Online Social Networks 441-456. [Crossref]
- 500. Iulian Vamanu. 2019. Fake News and Propaganda: A Critical Discourse Research Perspective. *Open Information Science* 3:1, 197-208. [Crossref]
- 501. Bartosz W. Wojdynski, Matthew T. Binford, Brittany N. Jefferson. 2019. Looks Real, or Really Fake? Warnings, Visual Attention and Detection of False News Articles. *Open Information Science* 3:1, 166-180. [Crossref]
- 502. Anna Cristina Brisola, Andréa Doyle. 2019. Critical Information Literacy as a Path to Resist "Fake News": Understanding Disinformation as the Root Problem. *Open Information Science* **3**:1, 274-286. [Crossref]
- 503. ALEXANDRE FERREIRA, TIAGO CARVALHO, FERNANDA ANDALÓ, ANDERSON ROCHA. 2019. Counteracting the contemporaneous proliferation of digital forgeries and fake news. Anais da Academia Brasileira de Ciências 91:suppl 1. . [Crossref]
- 504. Ekaterina Zhuravskaya, Maria Petrova, Ruben Enikolopov. 2019. Political Effects of the Internet and Social Media. SSRN Electronic Journal. [Crossref]
- 505. Stephanie Jean Tsang. News Credibility and Media Literacy in the Digital Age 135-155. [Crossref]
- 506. Pritika Bahad, Preeti Saxena, Raj Kamal. 2019. Fake News Detection using Bi-directional LSTM-Recurrent Neural Network. *Procedia Computer Science* 165, 74-82. [Crossref]
- 507. Susannah B. F. Paletz, Brooke E. Auxier, Ewa M. Golonka. Introduction 1-7. [Crossref]
- 508. Susannah B. F. Paletz, Brooke E. Auxier, Ewa M. Golonka. Motivation to Share 37-45. [Crossref]
- 509. Susannah B. F. Paletz, Brooke E. Auxier, Ewa M. Golonka. Reactions to the Message and Messenger 15-36. [Crossref]
- 510. Gad Allon, Kimon Drakopoulos, Vahideh Manshadi. 2019. Information Inundation on Platforms and Implications. SSRN Electronic Journal. [Crossref]
- 511. Matthias Murawski, Julian Bühler, Martin Böckle, Jan Pawlowski, Markus Bick. Social Media Information Literacy What Does It Mean and How Can We Measure It? 367-379. [Crossref]
- 512. Oğuzhan Taş, Tuğba Taş. 2018. Post-Hakikat Çağında Sosyal Medyada Yalan Haber ve Suriyeli Mülteciler Sorunu. *Galatasaray Üniversitesi İleti-ş-im Dergisi*. [Crossref]
- 513. Mayela Zambrano. 2018. Latinas for Trump Analysis of Processes of Identification and the Use of Narratives to Construct Subject-Positions. *Pragmática Sociocultural / Sociocultural Pragmatics* 6:2, 197-214. [Crossref]
- 514. Theodore Samore, Daniel M. T. Fessler, Colin Holbrook, Adam Maxwell Sparks. 2018. Electoral fortunes reverse, mindsets do not. *PLOS ONE* 13:12, e0208653. [Crossref]
- 515. A. Peters, E. Tartari, N. Lotfinejad, P. Parneix, D. Pittet. 2018. Fighting the good fight: the fallout of fake news in infection prevention and why context matters. *Journal of Hospital Infection* 100:4, 365-370. [Crossref]
- 516. Robert Paluch, Xiaoyan Lu, Krzysztof Suchecki, Bolesław K. Szymański, Janusz A. Hołyst. 2018. Fast and accurate detection of spread source in large complex networks. *Scientific Reports* 8:1. . [Crossref]

- 517. Dipti P. Rana, Ms. Isha Agarwal, Ms. Anjali More. A Review of Techniques to Combat The Peril of Fake News 1-7. [Crossref]
- 518. Pragya Rawat, C. P. Gupta. User Response Based Information Quality Assessment of Social Media News Posts 1-6. [Crossref]
- 519. Mica R. Endsley. 2018. Combating Information Attacks in the Age of the Internet: New Challenges for Cognitive Engineering. *Human Factors: The Journal of the Human Factors and Ergonomics Society* **60**:8, 1081-1094. [Crossref]
- 520. Des Freedman. 2018. Populism and media policy failure. European Journal of Communication 33:6, 604-618. [Crossref]
- 521. Michael Nekrasov, Danny Iland, Miriam Metzger, Lisa Parks, Elizabeth Belding. 2018. A user-driven free speech application for anonymous and verified online, public group discourse. *Journal of Internet Services and Applications* 9:1. . [Crossref]
- 522. Chang Woo-Young. 2018. Information/Media Selection and Bias Mobilization: the Case of Taegeukgi rally. *Korean Political Science Review* 52:5, 87-113. [Crossref]
- 523. Chengcheng Shao, Giovanni Luca Ciampaglia, Onur Varol, Kai-Cheng Yang, Alessandro Flammini, Filippo Menczer. 2018. The spread of low-credibility content by social bots. *Nature Communications* 9:1. . [Crossref]
- 524. Saed Rezayi, Vimala Balakrishnan, Samira Arabnia, Hamid R Arabnia. Fake News and Cyberbullying in the Modern Era 7-12. [Crossref]
- 525. Ron Mahabir, Arie Croitoru, Andrew Crooks, Peggy Agouris, Anthony Stefanidis. 2018. News coverage, digital activism, and geographical saliency: A case study of refugee camps and volunteered geographical information. *PLOS ONE* 13:11, e0206825. [Crossref]
- 526. Heidi Zimmerman, Aaron Eddens. 2018. Governing the liberal self in a 'post-truth' era: science, class and the debate over GMOs. *Cultural Studies* 32:6, 953-974. [Crossref]
- 527. Lee Ann Kahlor, Z. Janet Yang, Ming-Ching Liang. 2018. Risky Politics: Applying the Planned Risk Information Seeking Model to the 2016 U.S. Presidential Election. *Mass Communication and Society* 21:6, 697-719. [Crossref]
- 528. Jonathan Supovitz, Alan J. Daly, Miguel Del Fresno. 2018. The Common Core debate on Twitter and the rise of the activist public. *Journal of Educational Change* 19:4, 419-440. [Crossref]
- 529. Péter Kiszl, János Fodor. 2018. The "Collage Effect" Against Filter Bubbles: Interdisciplinary Approaches to Combating the Pitfalls of Information Technology. *The Journal of Academic Librarianship* 44:6, 753-761. [Crossref]
- 530. Crystal Legacy, Dallas Rogers, Nicole Cook, Kristian Ruming. 2018. Beyond the post-political: is public participation in Australian cities at a turning point?. *Geographical Research* **56**:4, 353-357. [Crossref]
- 531. Mingkun Gao, Ziang Xiao, Karrie Karahalios, Wai-Tat Fu. 2018. To Label or Not to Label. *Proceedings of the ACM on Human-Computer Interaction* **2**:CSCW, 1-16. [Crossref]
- 532. Shan Jiang, Christo Wilson. 2018. Linguistic Signals under Misinformation and Fact-Checking. Proceedings of the ACM on Human-Computer Interaction 2:CSCW, 1-23. [Crossref]
- 533. Ronald E. Robertson, Shan Jiang, Kenneth Joseph, Lisa Friedland, David Lazer, Christo Wilson. 2018. Auditing Partisan Audience Bias within Google Search. *Proceedings of the ACM on Human-Computer Interaction* 2:CSCW, 1-22. [Crossref]
- 534. Nicolas M. Anspach, Taylor N. Carlson. 2018. What to Believe? Social Media Commentary and Belief in Misinformation. *Political Behavior* 31. . [Crossref]

- 535. Daniela Barberi, Eileen M. Ahlin, Donald C. Hummer, Shaun L. Gabbidon. 2018. Are Non-U.S. Citizens Color-Blind? The Racialization of Violent Crimes. *Race and Justice* 31, 215336871880834. [Crossref]
- 536. Martin Hirst. The Political Economy of Fake News 78-100. [Crossref]
- 537. Kayla Keener. Affect, Aesthetics, and Attention 205-214. [Crossref]
- 538. Eugène Loos, Loredana Ivan, Donald Leu. 2018. "Save the Pacific Northwest tree octopus": a hoax revisited. Or. *Information and Learning Science* 119:9/10, 514-528. [Crossref]
- 539. Nicole M. Lee. 2018. Fake news, phishing, and fraud: a call for research on digital media literacy education beyond the classroom. *Communication Education* 67:4, 460-466. [Crossref]
- 540. Étienne Brown. 2018. Propaganda, Misinformation, and the Epistemic Value of Democracy. *Critical Review* **30**:3-4, 194-218. [Crossref]
- 541. David Hunt, Derek Robertson, Allison Pow. 2018. The Counselor's Role in the Age of Social Media and Fake News. *Journal of Creativity in Mental Health* 13:4, 405-417. [Crossref]
- 542. Nnanyelugo Okoro, Nathan Oguche Emmanuel. 2018. Beyond Misinformation: Survival Alternatives for Nigerian Media in the "Post-Truth" Era. *African Journalism Studies* **39**:4, 67-90. [Crossref]
- 543. Jari Salo, Matti Mäntymäki, A.K.M. Najmul Islam. 2018. The dark side of social media and Fifty Shades of Grey introduction to the special issue: the dark side of social media. *Internet Research* 28:5, 1166-1168. [Crossref]
- 544. Carola Binder, Alex Rodrigue. 2018. Household Informedness and Long-Run Inflation Expectations: Experimental Evidence. *Southern Economic Journal* 85:2, 580-598. [Crossref]
- 545. Alton Y.K. Chua, Snehasish Banerjee. 2018. Intentions to trust and share online health rumors: An experiment with medical professionals. *Computers in Human Behavior* 87, 1-9. [Crossref]
- 546. Zaitul Iradah Mahid, Selvakumar Manickam, Shankar Karuppayah. Fake News on Social Media: Brief Review on Detection Techniques 1-5. [Crossref]
- 547. Paul Bleakley. 2018. Situationism and the recuperation of an ideology in the era of Trump, fake news and post-truth politics. *Capital & Class* 42:3, 419-434. [Crossref]
- 548. J. Jumanto. How to control hate speech and hoaxes: Character language for character citizens 13-20. [Crossref]
- 549. Karin Wahl-Jorgensen, Andrew Williams, Arne Hintz. 2018. Introduction. *Digital Journalism* **6**:8, 945-950. [Crossref]
- 550. Neil Thurman, Robert G. Picard, Merja Myllylahti, Arne H. Krumsvik. On Digital Distribution's Failure to Solve Newspapers' Existential Crisis 172-185. [Crossref]
- 551. Jason A. Parker, Daphne E. Whitmer, Valerie K. Sims. 2018. Warnings for Hurricane Irma: Trust of Warning Type and Perceptions of Self-Efficacy and Susceptibility. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* **62**:1, 1368–1372. [Crossref]
- 552. Ágnes Veszelszki. 2018. Like economy: What is the economic value of likes?. *Society and Economy* 40:3, 417-429. [Crossref]
- 553. Martin McKee, David Stuckler. 2018. Revisiting the Corporate and Commercial Determinants of Health. *American Journal of Public Health* 108:9, 1167-1170. [Crossref]
- 554. Pavel Korshunov, Sebastien Marcel. Speaker Inconsistency Detection in Tampered Video 2375-2379. [Crossref]
- 555. Brett G. Johnson, Kimberly Kelling. 2018. Placing Facebook. *Journalism Practice* 12:7, 817-833. [Crossref]
- 556. Rens Vliegenthart, Mark Boukes. 2018. On the Street and/or on Twitter?. *Digital Journalism* **6**:7, 829-846. [Crossref]

- 557. Timothy M. Hale, Wen-Ying Sylvia Chou, Shelia R. Cotten, Aneka Khilnani. Introduction: Promises and Perils of eHealth 1-10. [Crossref]
- 558. Wonseok (Eric) Jang, Erik P. Bucy, Janice Cho. 2018. Self-esteem moderates the influence of self-presentation style on Facebook users' sense of subjective well-being. *Computers in Human Behavior* 85, 190-199. [Crossref]
- 559. Claudia Orellana-Rodriguez, Mark T. Keane. 2018. Attention to news and its dissemination on Twitter: A survey. *Computer Science Review* **29**, 74-94. [Crossref]
- 560. 2018. Call for papers: Exploring the dark side of social media. European Management Journal 36:4, 439-440. [Crossref]
- 561. Christian V. Baccarella, Timm F. Wagner, Jan H. Kietzmann, Ian P. McCarthy. 2018. Social media? It's serious! Understanding the dark side of social media. *European Management Journal* 36:4, 431-438. [Crossref]
- 562. Edson C Tandoc, Richard Ling, Oscar Westlund, Andrew Duffy, Debbie Goh, Lim Zheng Wei. 2018. Audiences' acts of authentication in the age of fake news: A conceptual framework. *New Media & Society* 20:8, 2745-2763. [Crossref]
- 563. Gleb Tsipursky, Fabio Votta, James A. Mulick. 2018. A psychological approach to promoting truth in politics: The pro-truth pledge. *Journal of Social and Political Psychology* **6**:2, 271-290. [Crossref]
- 564. Russell Torres, Natalie Gerhart, Arash Negahban. 2018. Epistemology in the Era of Fake News. ACM SIGMIS Database: the DATABASE for Advances in Information Systems 49:3, 78-97. [Crossref]
- 565. Levi Boxell, Matthew Gentzkow, Jesse M. Shapiro. 2018. A note on internet use and the 2016 U.S. presidential election outcome. *PLOS ONE* **13**:7, e0199571. [Crossref]
- 566. Monika Kirner-Ludwig. Great pretenders 15-56. [Crossref]
- 567. Silvia Sommariva, Cheryl Vamos, Alexios Mantzarlis, Lillie Uyên-Loan Đào, Dinorah Martinez Tyson. 2018. Spreading the (Fake) News: Exploring Health Messages on Social Media and the Implications for Health Professionals Using a Case Study. *American Journal of Health Education* 49:4, 246-255. [Crossref]
- 568. Melissa Leigh Gibson. 2018. Scaffolding Critical Questions: Learning to Read the World in a Middle School Civics Class in Mexico. *Journal of Adolescent & Adult Literacy* **62**:1, 25-34. [Crossref]
- 569. Ahmet Aker, Norbert Fuhr. 2018. The Information Retrieval Group at the University of Duisburg-Essen. *Datenbank-Spektrum* 18:2, 113-119. [Crossref]
- 570. S. Mo Jang, Tieming Geng, Jo-Yun Queenie Li, Ruofan Xia, Chin-Tser Huang, Hwalbin Kim, Jijun Tang. 2018. A computational approach for examining the roots and spreading patterns of fake news: Evolution tree analysis. *Computers in Human Behavior* 84, 103-113. [Crossref]
- 571. Caroline L. Osborne. 2018. Programming to Promote Information Literacy in the Era of Fake News. *International Journal of Legal Information* **46**:2, 101-109. [Crossref]
- 572. Bree McEwan, Christopher J. Carpenter, Jill E. Hopke. 2018. Mediated Skewed Diffusion of Issues Information: A Theory. *Social Media* + *Society* 4:3, 205630511880031. [Crossref]
- 573. Helena Webb, Menisha Patel. Can Video-based Qualitative Analysis Help Us Understand Useralgorithm Interaction? . [Crossref]
- 574. Alessandro Bucciol. 2018. False claims in politics: Evidence from the US. *Research in Economics* **72**:2, 196-210. [Crossref]
- 575. Nik Rushdi Hassan, John Mingers, Bernd Stahl. 2018. Philosophy and information systems: where are we and where should we go?. *European Journal of Information Systems* 27:3, 263-277. [Crossref]

- 576. Santosh Vijaykumar, Glen Nowak, Itai Himelboim, Yan Jin. 2018. Virtual Zika transmission after the first U.S. case: who said what and how it spread on Twitter. *American Journal of Infection Control* 46:5, 549-557. [Crossref]
- 577. Hyun Keun Lee, Yong Woon Kim. 2018. Public opinion by a poll process: model study and Bayesian view. *Journal of Statistical Mechanics: Theory and Experiment* **2018**:5, 053402. [Crossref]
- 578. Chris J Vargo, Lei Guo, Michelle A Amazeen. 2018. The agenda-setting power of fake news: A big data analysis of the online media landscape from 2014 to 2016. *New Media & Society* **20**:5, 2028-2049. [Crossref]
- 579. Marco L. Della Vedova, Eugenio Tacchini, Stefano Moret, Gabriele Ballarin, Massimo DiPierro, Luca de Alfaro. Automatic Online Fake News Detection Combining Content and Social Signals 272-279. [Crossref]
- 580. Theresa M. de los Santos, Elizabeth Smith, Mira Cohen. 2018. Targeting Truth: How Museums Can Collaboratively Address Social Issues. *Journal of Museum Education* 43:2, 104-113. [Crossref]
- 581. Xiaotian Chen. 2018. Calling Out Fake News on Social Media: A Comparison of Literature in Librarianship and Journalism. *Internet Reference Services Quarterly* 23:1-2, 1-13. [Crossref]
- 582. Nicholas W. Jankowski. 2018. Researching Fake News: A Selective Examination of Empirical Studies. *Javnost The Public* **25**:1-2, 248-255. [Crossref]
- 583. Dominic D. Wells. 2018. You All Made Dank Memes: Using Internet Memes to Promote Critical Thinking. *Journal of Political Science Education* 14:2, 240-248. [Crossref]
- 584. Marina Bagić Babac, Vedran Podobnik. 2018. What social media activities reveal about election results? The use of Facebook during the 2015 general election campaign in Croatia. *Information Technology & People* 31:2, 327-347. [Crossref]
- 585. Mike Hynes. 2018. Shining a brighter light into the digital 'black box': A call for stronger sociological (re)engagement with digital technology design, development and adoption debates. *Irish Journal of Sociology* 26:1, 94-126. [Crossref]
- 586. Andrew S. Ross, Damian J. Rivers. 2018. Discursive Deflection: Accusation of "Fake News" and the Spread of Mis- and Disinformation in the Tweets of President Trump. *Social Media* + *Society* 4:2, 205630511877601. [Crossref]
- 587. David M. J. Lazer, Matthew A. Baum, Yochai Benkler, Adam J. Berinsky, Kelly M. Greenhill, Filippo Menczer, Miriam J. Metzger, Brendan Nyhan, Gordon Pennycook, David Rothschild, Michael Schudson, Steven A. Sloman, Cass R. Sunstein, Emily A. Thorson, Duncan J. Watts, Jonathan L. Zittrain. 2018. The science of fake news. *Science* 359:6380, 1094-1096. [Crossref]
- 588. Alberto ALEMANNO. 2018. How to Counter Fake News? A Taxonomy of Anti-fake News Approaches. *European Journal of Risk Regulation* 9:1, 1-5. [Crossref]
- 589. Gleb Tsipursky, Zachary Morford. 2018. Addressing Behaviors That Lead to Sharing Fake News. *Behavior and Social Issues* 27, AA6-AA10. [Crossref]
- 590. Gleb Tsipursky, Fabio Votta, Kathryn M Roose. 2018. Fighting Fake News and Post-Truth Politics with Behavioral Science: The Pro-Truth Pledge. *Behavior and Social Issues* 27, 47-70. [Crossref]
- 591. Edson C. Tandoc, Zheng Wei Lim, Richard Ling. 2018. Defining "Fake News". *Digital Journalism* 6:2, 137-153. [Crossref]
- 592. Leon Barkho. Haktology, Trump, and News Practices 77-98. [Crossref]
- 593. Nic DePaula, Kaja J. Fietkiewicz, Thomas J. Froehlich, A.J. Million, Isabelle Dorsch, Aylin Ilhan. 2018. Challenges for social media: Misinformation, free speech, civic engagement, and data regulations. *Proceedings of the Association for Information Science and Technology* 55:1, 665-668. [Crossref]

- 594. Shannon M. Oltmann, Thomas J. Froehlich, Denise E. Agosto. 2018. What do we do about "fake news" and other forms of false information: The roles of the organization of false information, professional ethics and information literacy?. *Proceedings of the Association for Information Science and Technology* 55:1, 719-721. [Crossref]
- 595. Jeff Z. Pan, Siyana Pavlova, Chenxi Li, Ningxi Li, Yangmei Li, Jinshuo Liu. Content Based Fake News Detection Using Knowledge Graphs 669-683. [Crossref]
- 596. Genevieve Gorrell, Ian Roberts, Mark A. Greenwood, Mehmet E. Bakir, Benedetta Iavarone, Kalina Bontcheva. Quantifying Media Influence and Partisan Attention on Twitter During the UK EU Referendum 274-290. [Crossref]
- 597. Gerardo Ernesto Rolong Agudelo, Octavio José Salcedo Parra, Julio Barón Velandia. Raising a Model for Fake News Detection Using Machine Learning in Python 596-604. [Crossref]
- 598. Severin Engelmann, Jens Grossklags, Orestis Papakyriakopoulos. A Democracy Called Facebook? Participation as a Privacy Strategy on Social Media 91-108. [Crossref]
- 599. Seyed Mohssen Ghafari, Shahpar Yakhchi, Amin Beheshti, Mehmet Orgun. Social Context-Aware Trust Prediction: Methods for Identifying Fake News 161-177. [Crossref]
- 600. Tooba Aamir, Hai Dong, Athman Bouguettaya. Stance and Credibility Based Trust in Social-Sensor Cloud Services 178-189. [Crossref]
- 601. Shoko Kiyohara, Kazuhiro Maeshima, Diana Owen. Conclusion: The Development of Digital Democracy in East Asia 189-205. [Crossref]
- 602. Robert N. Spicer. Lies, Damn Lies, Alternative Facts, Fake News, Propaganda, Pinocchios, Pants on Fire, Disinformation, Misinformation, Post-Truth, Data, and Statistics 1-31. [Crossref]
- 603. Jamie Murphy, Ulrike Gretzel, Juho Pesonen, Anne-Liise Elorinne, Kirsi Silvennoinen. Household Food Waste, Tourism and Social Media: A Research Agenda 228-239. [Crossref]
- 604. Catherine Zuckert. Trump as a Machiavellian Prince? Reflections on Corruption and American Constitutionalism 73-87. [Crossref]
- 605. Lisa M. PytlikZillig, Myiah J. Hutchens, Peter Muhlberger, Frank J. Gonzalez, Alan J. Tomkins. Knowledge 45-60. [Crossref]
- 606. Anna Sarmina. Fact-Checking as Defence Against Propaganda in the Digital Age 193-202. [Crossref]
- 607. Wenli Yang, Saurabh Garg, Ali Raza, David Herbert, Byeong Kang. Blockchain: Trends and Future 201-210. [Crossref]
- 608. Marius Rohde Johannessen. Genres of Participation in Social Networking Systems: A Study of the 2017 Norwegian Parliamentary Election 64-75. [Crossref]
- 609. Silvio Barta, Uwe Stoklossa. Without Design, It's just a Lump of Gold Future Developments in Design as Luxury 317-346. [Crossref]
- 610. Bernd Zywietz. F wie Fake News Phatische Falschmeldungen zwischen Propaganda und Parodie 97-131. [Crossref]
- 611. Chitat Chan. 2018. Analysing social networks for social work practice: A case study of the Facebook fan page of an online youth outreach project. *Children and Youth Services Review* **85**, 143-150. [Crossref]
- 612. Andrea Robbett, Peter Hans Matthews. 2018. Partisan bias and expressive voting. *Journal of Public Economics* 157, 107-120. [Crossref]
- 613. Yoshiteru Ishida, Sanae Kuraya. 2018. Fake News and its Credibility Evaluation by Dynamic Relational Networks: A Bottom up Approach. *Procedia Computer Science* 126, 2228-2237. [Crossref]
- 614. Costel-Sergiu Atodiresei, Alexandru Tănăselea, Adrian Iftene. 2018. Identifying Fake News and Fake Users on Twitter. *Procedia Computer Science* 126, 451-461. [Crossref]

- 615. Ethan Porter, Thomas J. Wood, David Kirby. 2018. Sex Trafficking, Russian Infiltration, Birth Certificates, and Pedophilia: A Survey Experiment Correcting Fake News. *Journal of Experimental Political Science* 5:2, 159-164. [Crossref]
- 616. Thomas Ferguson, Paul Jorgensen, Jie Chen. Industrial Structure and Political Outcomes: The Case of the 2016 US Presidential Election 333-440. [Crossref]
- 617. Chengcheng Shao, Pik-Mai Hui, Pengshuai Cui, Xinwen Jiang, Yuxing Peng. 2018. Tracking and Characterizing the Competition of Fact Checking and Misinformation: Case Studies. *IEEE Access* 6, 75327-75341. [Crossref]
- 618. Michael P. Kenning, Ryan Kelly, Simon L. Jones. Supporting Credibility Assessment of News in Social Media using Star Ratings and Alternate Sources 1-6. [Crossref]
- 619. Ronald E. Robertson, David Lazer, Christo Wilson. Auditing the Personalization and Composition of Politically-Related Search Engine Results Pages 955-965. [Crossref]
- 620. Mainul Quraishi, Pavlos Fafalios, Eelco Herder. Viewpoint Discovery and Understanding in Social Networks 47-56. [Crossref]
- 621. Xi Niu, Wlodek Zadrozny, Kazjon Grace, Weimao Ke. Computational Surprise in Information Retrieval 1427-1429. [Crossref]
- 622. Kevin Koidl, Owen Conlan, Wessel Reijers, Mark Farrell, Melissa Hoover. The BigFoot Initiative 120-127. [Crossref]
- 623. Yaqing Wang, Fenglong Ma, Zhiwei Jin, Ye Yuan, Guangxu Xun, Kishlay Jha, Lu Su, Jing Gao. EANN 849-857. [Crossref]
- 624. Mary Jane C. Samonte. Polarity Analysis of Editorial Articles towards Fake News Detection 108-112. [Crossref]
- 625. Md Momen Bhuiyan, Kexin Zhang, Kelsey Vick, Michael A. Horning, Tanushree Mitra. FeedReflect 205-208. [Crossref]
- 626. Xunru Che, Danaë Metaxa-Kakavouli, Jeffrey T. Hancock. Fake News in the News 289-292. [Crossref]
- 627. Giulio Angiani, Gaudioso Junior Balba, Paolo Fornacciari, Gianfranco Lombardo, Monica Mordonini, Michele Tomaiuolo. Image-Based Hoax Detection 159-164. [Crossref]
- 628. Carlo Gabriel Porto Bellini, Vishal Shah. 2018. Organizations in an (Anti-)Information Age. BAR Brazilian Administration Review 15:3. . [Crossref]
- 629. Vivien Mantei, Joachim Griesbaum, Thomas Mandl. 2018. Fostering Information Literacy on the Web: Results of a Game-Based Learning Scenario. *International Journal of Information and Education Technology* 8:12, 861-867. [Crossref]
- 630. Michail Batikas, JJrg Claussen, Christian Peukert. 2018. Follow the Money: Online Piracy and Self-Regulation in the Advertising Industry. SSRN Electronic Journal. [Crossref]
- 631. Anil R Doshi, Sharat Raghavan, Rebecca Weiss, Eric Petitt. 2018. The Impact of the Supply of Fake News on Consumer Behavior During the 2016 US Election. SSRN Electronic Journal . [Crossref]
- 632. Thomas Ferguson, Paul Jorgensen, Jie Chen. 2018. Industrial Structure and Party Competition in an Age of Hunger Games: Donald Trump and the 2016 Presidential Election. SSRN Electronic Journal . [Crossref]
- 633. Hendrik Bruns. 2018. Does Proclaimed Doubt in Media Spill Over to Doubt in Science? A Laboratory Experiment in the Context of Climate Change. SSRN Electronic Journal . [Crossref]
- 634. Bertin Martens, Luis Aguiar, Estrella GGmez, Frank Mueller-Langer. 2018. The Digital Transformation of News Media and the Rise of Disinformation and Fake News. SSRN Electronic Journal. [Crossref]

- 635. Lesley Chiou, Catherine E. Tucker. 2018. Fake News and Advertising on Social Media: A Study of the Anti-Vaccination Movement. SSRN Electronic Journal . [Crossref]
- 636. Cuihua Shen, Mona Kasra, Wenjing Pan, Grace Benefield, Yining Malloch, James O'Brien. 2018. Fake Images: The Effects of Source, Intermediary, and Digital Media Literacy on Contextual Assessment of Image Credibility Online. SSRN Electronic Journal. [Crossref]
- 637. Chris Tenove, Jordan Buffie, Spencer McKay, David Moscrop. 2018. Digital Threats to Democratic Elections: How Foreign Actors Use Digital Techniques to Undermine Democracy. SSRN Electronic Journal. [Crossref]
- 638. Anita Rao. 2018. Deceptive Claims using Fake News Marketing: The Impact on Consumers. SSRN Electronic Journal . [Crossref]
- 639. Shuting Wang, Min-Seok Pang, Paul A. Pavlou. 2018. 'Cure or Poison?' Identity Verification and the Spread of Fake News on Social Media. SSRN Electronic Journal . [Crossref]
- 640. Yong Suk Lee. 2018. Social Media and Rigid Beliefs: Evidence from Impeachment of the President. SSRN Electronic Journal. [Crossref]
- 641. Geyu Yang. 2018. Opinion Manipulation and Disagreement in Social Networks. SSRN Electronic Journal. [Crossref]
- 642. Patricia Moravec, Antino Kim, Alan R. Dennis, Randall Minas. 2018. Do You Really Know If It's True? How Asking Users to Rate Stories Affects Belief in Fake News on Social Media. SSRN Electronic Journal. [Crossref]
- 643. Chandan Kumar Jha, Oasis Kodila-Tedika. 2018. Does Social Media Promote Democracy? Some Empirical Evidence. SSRN Electronic Journal . [Crossref]
- 644. Gregory D. Saxton. 2018. Social Media, Accounting Information Networks, and Market Reaction: The Effects of Firm-to-Investor, Stakeholder-to-Investor, and Investor-to-Investor Twitter Networks. SSRN Electronic Journal . [Crossref]
- 645. Bernhard Clemm von Hohenberg. 2018. The Ocean of Possible Truth. Drivers and Consequences of News Accuracy Judgements Online. SSRN Electronic Journal. [Crossref]
- 646. Ron Mahabir, Arie Croitoru, Andrew Crooks, Peggy Agouris, Anthony Stefanidis. 2018. News Coverage, Digital Activism, and Geographical Saliency: A Case Study of Refugee Camps and Volunteered Geographical Information. SSRN Electronic Journal. [Crossref]
- 647. Sangjun Yea. 2018. Persuasion under the Influence of Fake News. SSRN Electronic Journal. [Crossref]
- 648. Hunt Allcott, Luca Braghieri, Sarah Eichmeyer, Matthew Gentzkow. 2018. The Welfare Effects of Social Media. SSRN Electronic Journal . [Crossref]
- 649. Roberto Mosquera, Mofioluwasademi Odunowo, Trent McNamara, Xiongfei Guo, Ragan Petrie. 2018. The Economic Effects of Facebook. *SSRN Electronic Journal*. [Crossref]
- 650. Rachel RJ Kalf, Amr Makady, Renske MT ten Ham, Kim Meijboom, Wim G Goettsch. 2018. Use of Social Media in the Assessment of Relative Effectiveness: Explorative Review With Examples From Oncology. *JMIR Cancer* 4:1, e11. [Crossref]
- 651. Chad E. Cook, Neil E. O'Connell, Toby Hall, Steven Z. George, Gwendolen Jull, Alexis A. Wright, Enrique Lluch Girbés, Jeremy Lewis, Mark Hancock. 2018. Benefits and Threats to Using Social Media for Presenting and Implementing Evidence. *Journal of Orthopaedic & Sports Physical Therapy* 48:1, 3-7. [Crossref]
- 652. Mira Vidaković. 2018. Web 2.0, social media and the new paradigm of information media. *Kultura* :160, 305-327. [Crossref]
- 653. Mathieu-Robert Sauvé. 2018. Être (bien) informé, c'est être libre!. *Documentation et bibliothèques* 64:4, 12. [Crossref]

- 654. Matteo Gamalerio, Mario Luca, Max Viskanic. 2018. Finding the Warmth of Other Suns? Refugee Reception, Extreme Votes and Hate Crimes. SSRN Electronic Journal . [Crossref]
- 655. Hedi Pudjo Santosa, Nurul Hasfi, Triyono Lukmantoro. 2018. Digital Media Unequality During the 2014th Indonesian Presidential Election. *E3S Web of Conferences* **73**, 14006. [Crossref]
- 656. Rouli Manalu, Tandiyo Pradekso, Djoko Setyabudi. 2018. The from News Bearer to Extreme Speech Propagator: Analysis of Shifting Practice in Production and Distribution of News on the Internet. E3S Web of Conferences 73, 13011. [Crossref]
- 657. Kevin Click, Cory Tondreau, Jannah Fusenig, Jordan Hutchings, Jordan Osejo, Neil Schwartz. 2018. Truth-Detection in News Stories Presented with Correspondent Images. SSRN Electronic Journal. [Crossref]
- 658. Dustin Tingley, Gernot Wagner. 2017. Solar geoengineering and the chemtrails conspiracy on social media. *Palgrave Communications* 3:1. . [Crossref]
- 659. Richard Graham. 2017. Google and advertising: digital capitalism in the context of Post-Fordism, the reification of language, and the rise of fake news. *Palgrave Communications* 3:1. . [Crossref]
- 660. Philogene Kyle Dimpas, Royce Vincent Po, Mary Jane Sabellano. Filipino and english clickbait detection using a long short term memory recurrent neural network 276-280. [Crossref]
- 661. Alphia Possamai-Inesedy, Alan Nixon. 2017. A place to stand: Digital sociology and the Archimedean effect. *Journal of Sociology* **53**:4, 865-884. [Crossref]
- 662. Gary King, Benjamin Schneer, Ariel White. 2017. How the news media activate public expression and influence national agendas. *Science* **358**:6364, 776-780. [Crossref]
- 663. Ryan Kendall. 2017. Aligning Democracy: A Comment on Bruno S. Frey's "Proposals for a Democracy of the Future". *Homo Oeconomicus* 34:2-3, 243-251. [Crossref]
- 664. Irvan Santoso, Immanuel Yohansen, Nealson, Harco Leslie Hendric Spits Warnars, Kiyota Hashimoto. Early investigation of proposed hoax detection for decreasing hoax in social media 175-179. [Crossref]
- 665. Ali Ibrahim, Ermatita, Saparudin, Zefta Adetya. Analysis of weakness of data validation from social CRM 1-5. [Crossref]
- 666. Nir Kshetri, Jeffrey Voas. 2017. The Economics of "Fake News". IT Professional 19:6, 8-12. [Crossref]
- 667. Jonas De keersmaecker, Arne Roets. 2017. 'Fake news': Incorrect, but hard to correct. The role of cognitive ability on the impact of false information on social impressions. *Intelligence* **65**, 107-110. [Crossref]
- 668. Ian Goldin. 2017. The second Renaissance. Nature 550:7676, 327-329. [Crossref]
- 669. Stefan Stieglitz, Milad Mirbabaie, Jennifer Fromm. 2017. Understanding Sense-Making on Social Media During Crises. *International Journal of Information Systems for Crisis Response and Management* 9:4, 49-69. [Crossref]
- 670. Dominic Spohr. 2017. Fake news and ideological polarization. *Business Information Review* 34:3, 150-160. [Crossref]
- 671.2017. Promoting health in a post-truth world. *Health Promotion International* 32:4, 599-602. [Crossref]
- 672. Youjung Jun, Rachel Meng, Gita Venkataramani Johar. 2017. Perceived social presence reduces fact-checking. *Proceedings of the National Academy of Sciences* 114:23, 5976-5981. [Crossref]
- 673. Dan M. Kahan. 2017. Misconceptions, Misinformation, and the Logic of Identity-Protective Cognition. SSRN Electronic Journal. [Crossref]
- 674. Maxim Ananyev, Maria Petrova. 2017. Information and Communication Technologies, Protests, and Censorship. SSRN Electronic Journal. [Crossref]

- 675. Antino Kim. 2017. Says Who?: How News Presentation Format Influences Perceived Believability and the Engagement Level of Social Media Users. SSRN Electronic Journal. [Crossref]
- 676. Julia Cage. 2017. Media Competition, Information Provision and Political Participation: Evidence from French Local Newspapers and Elections, 1944-2014. SSRN Electronic Journal . [Crossref]
- 677. Yiangos Papanastasiou. 2017. Fake News Propagation and Detection: A Sequential Model. SSRN Electronic Journal. [Crossref]
- 678. Dan M. Kahan. 2017. Misinformation and Identity-Protective Cognition. SSRN Electronic Journal . [Crossref]
- 679. Ozan Candogan, Kimon Drakopoulos. 2017. Optimal Signaling of Content Accuracy: Likes vs. Fake News. SSRN Electronic Journal . [Crossref]
- 680. Lucas de Lima Carvalho. 2017. The Case Against Fake News Gatekeeping by Social Networks. *SSRN Electronic Journal* . [Crossref]
- 681. Danaa Metaxa-Kakavouli, Nicolls Torres-Echeverry. 2017. Google's Role in Spreading Fake News and Misinformation. SSRN Electronic Journal. [Crossref]
- 682. Evan D. Sadler. 2017. False Information and Disagreement in Social Networks. SSRN Electronic Journal. [Crossref]
- 683. Antino Kim, Patricia Moravec, Alan R. Dennis. 2017. Behind the Stars: The Effects of News Source Ratings on Fake News in Social Media. SSRN Electronic Journal . [Crossref]
- 684. Luis R. Martinez. 2017. How Much Should We Trust the Dictator's GDP Estimates?. SSRN Electronic Journal. [Crossref]
- 685. Miruna Craciunescu. 2017. Chassé croisé Lavocat/Ginzburg. Sens public . [Crossref]
- 686. Nitin Verma, Kenneth R. Fleischmann, Kolina S. Koltai. 2017. Human values and trust in scientific journals, the mainstream media and fake news. *Proceedings of the Association for Information Science and Technology* 54:1, 426-435. [Crossref]
- 687. Fabrizio Germano, Francesco Sobbrio. 2016. Opinion Dynamics via Search Engines (and Other Algorithmic Gatekeepers). SSRN Electronic Journal . [Crossref]
- 688. Shintaro Miura. 2015. Manipulated News Model: Electoral Competition and Mass Media. SSRN Electronic Journal. [Crossref]
- 689. Evan D. Sadler. 2015. Diffusion Games. SSRN Electronic Journal . [Crossref]
- 690. Markus Baldauf, Joshua Mollner. 2015. Fast Traders Make a Quick Buck: The Role of Speed in Liquidity Provision. SSRN Electronic Journal. [Crossref]
- 691. Christine Yunn-Yu Sun, Steve Goschnick. Formation and Control of Identity 286-323. [Crossref]