Article

Journalism Students and Information Consumption in the Era of Fake News

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Abstract

Technological platforms, such as social media, are disrupting traditional journalism, as a result the access to high-quality information by citizens is facing important challenges, among which, disinformation and the spread of fake news are the most relevant one. This study approaches how journalism students perceive and assess this phenomenon. The descriptive and exploratory research is based on a hybrid methodology: Two matrix surveys of students and a focus group of professors (n = 6), experts in Multimedia Journalism. The first survey (n = 252), focused on students’ perception of fake news, the second (n = 300) aims at finding out the type of content they had received during the recent confinement caused by the Covid-19 pandemic. Results show that most of the students prefer online media as a primary source of information instead of social media. Students consider that politics is the main topic of fake news, which, according to the respondents, are mainly distributed by adult users through social networks. The vast majority believe that fake news are created for political interests and a quarter of the sample considers that there is a strong ideological component behind disinformation strategies. Nonetheless, the study also reveals that students do not trust in their ability to distinguish between truthful and false information. For this reason, this research concludes, among other aspects, that the promotion of initiatives and research to promote media literacy and news literacy are decisive in the training of university students.

Keywords

fake news; information consumption; journalism; media literacy; university

Issue

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1. Introduction

In recent years, fake news and misinformation have become a recurrent object of study both because of their rapid growth and because of the problems and threats, they generate. Since the emergence of this concept (Love, 2007; Tally, 2011), the first works have focused on political phenomena (Blanco Alfonso, García Galera, & Tejedor Calvo, 2019) and have rapidly given way to research on the impact of fake news in other areas of our daily lives, such as education, entertainment, health and journalism, among others.

The popularization of fake news has taken place in a very particular and communicative situation, characterized by digital noise, ‘infoxication’ and information disorder (Wardle & Derakhshan, 2017). Infoxication is a term popularized by Alvin Toffler (1970) that describes nowadays information overload derived from our constant connection to Internet. In this context, two very particular phenomena have occurred. On
the one hand, the rapid distribution of this type of message (Jang & Kim, 2018) and, on the other hand, the accelerated generation of a wide variety of distorted content (Ireland, 2018; Southwell, Thorson, & Sheble, 2018). The studies by Fletcher, Cornia, Graves, and Rasmus (2018) and Musgrove, Powers, Rebar, and Musgrove (2018) emphasize the capacity and easiness by online platforms to spread fake news in comparison with conventional media. Thus, the so-called information society has given way to a society of infoxication or digital noise where fake news are disseminated 10% more than real news (Vosoughi, Roy, & Aral, 2018).

Generation Z, composed of individuals born between the years 1996 and 2010 (Dimock, 2019), is the first generation that has never known a world without the Internet. Their lives are moulded by the Internet, which has been converted in a natural part of their lives. Nonetheless, numerous studies (Hargittai, Fullerton, Menchen-Trevino, & Thomas, 2010; Wineburg & McGrew, 2016) have highlighted that they are the most vulnerable to fake news.

Among today’s Generation Zers, we find the journalists of tomorrow. Journalism and communication students represent a category of special interest, since besides belonging to the broader category of Generation Zers, soon will be in charge of taking up the responsibilities involved in the task of being a professional journalist and/or communicator.

Despite the interest that this subgroup of young people should arise, very few studies (Bhaskaran, Mishra, & Nair, 2019) have focused on journalism students’ understanding and perception of ‘fake news.’

Herrero-Díez, Conde-Jiménez, Tapia-Frade, and Varona-Aramburu (2019), analyzing students of Communication from the Spanish region of Andalusia, conclude that university students have difficulty differentiating the veracity of the sources. Another study based in the Basque country (Mendiguren, Pérez Dasilva, & Meso Ayerdi, 2020) observe that students are mainly informed in the online environment and a high percentage confesses to having fallen into the trap of fake news at some point.

Besides the mentioned studies, fake news and the way journalism students react to them are still an understudied topic, specifically, as Blanco Alfonso et al. (2019) point out, in the Ibero-American context. Ibero-America should be intended as a ‘space’ that goes beyond a mere geo-linguistic area, tracing cultural, socio-political and socioeconomic relationships, within it (Tejedor, Ventín, Cervi, Pulido, & Tusa, 2020). Along the same lines, these authors have stressed the need to deepen on the knowledge of this field in the area. Based on this, the present study presents a diagnostic analysis of the consumption of information by university students in the field of communication.

Accordingly, our descriptive and exploratory research aims at understanding the informative habits of journalism students and their position towards fake news, answering the two following research questions:

RQ1: How do young journalism students inform themselves.

RQ2: How do they position themselves towards fake news?

2. Theoretical Framework

2.1. Fake News

‘Fake news’ in the media is not a new phenomenon. On the one hand, there is no consensus on the origin of it. Some scholars consider that disinformation started with the earliest writing systems (Tandoc, Lim, & Ling, 2017), others (Posetti & Matthews, 2018) recall that early record dates back to ancient Rome, when Octavian launched a smear campaign against Antony made of short slogans written upon coins, comparing it to a sort of archaic Tweets. Most observers (Molina, Sundar, Le, & Lee, 2019), however, trace it back to World War II, specifically to the Russian word dezinformatsiya, used by Soviet planners in the 1950s to describe the dissemination (in the press, on the radio, etc.) of false reports intended to mislead public opinion.

On the other hand, there is a wide consensus that whereas the use of disinformation is not new, the digital revolution has greatly enhanced public vulnerability. In particular, in an informative scenario dominated by the emergence of content designed for rapid viralization (Romero-Rodríguez, de-Casas-Moreno, & Torres-Toukoumidis, 2016), the risk of disinformation increases. In other words, what is new is the speed, scale and massive proliferation and consumption of false information, in the current context of the destabilization of the mainstream media (Cervi, 2019) and information disorder (Wardle & Derakhshan, 2017).

In particular, as pointed out by Giglietto, Righetti, Rossi, and Marino (2020), two recent events—2016 Presidential elections in the US and Brexit referendum in UK—showed how the protagonist online participatory practices of sharing, collaborating and organizing collective actions, considered the prerogative of democratizing forces fighting established powers, proved to be just as effective in supporting the spread of extremisms, hate speech, violence and fake news.

Since then, ‘fake news’ has become a buzzword (Tandoc et al., 2017), thus, like other buzzwords, semantically confusing. Although since then there has been an explosion of both academic and journalistic work on this topic, defining ‘fake news’ is not an easy task.

Tandoc et al. (2017), analysing how the term has been used by scholars, reveal up to six types of definition: news satire, news parody, fabrication, manipulation, advertising, and propaganda. Earlier studies, in fact, have applied the term to define related but distinct types of content, such as news parodies or political satires (Blanco Alfonso et al., 2019), or to define information that adopted conventional news formats to
make satirical commentary, as in the case of late-night TV shows. Other approaches pointed at tabloid journalism, that walked a fine line between reporting reality and making wild claims (Molina et al., 2019) and news propaganda (Pérez-Tornero, Tayé, Tejedor, & Pulido, 2018). Currently the term is mostly used to generically describe false stories spreading on social media.

Acknowledging the complexities and ambiguity of the term, and stressing out the need for further definitory work, we understand ‘fake news’ within the broader phenomenon of disinformation, as a deliberate effort to mislead, deceive, or confuse an audience in order to promote their personal, religious, or ideological objectives (Cervi & Carrillo-Andrade, 2019; Fetzer, 2004; Pérez-Tornero et al., 2018; Thompson, 2016; Turkle, 2015).

2.2. Fake News, the Audience and Young People

As previously mentioned, since 2016 there has been an explosion of academic work that fixes its subject matter using the terms ‘fake news,’ this topic of fake news has become one of the most talked about during Covid-19 lockdown, to the extent that the World Health Organization warned of the risk of the growth of the generation and circulation of this type of content.

This topic has received attention in a variety of fields, with scholars investigating the antecedents, characteristics, and consequences of its creation and dissemination. It is possible to divide these studies into two macro branches: Those who focus on the supply side, that is to say, primarily interested in the nature and construction of fake news, and those interested in the consumption side, geared at understanding why people consume, share and/or believe ‘fake news.’

A recent research by Pennycook, Cannon, and Rand (2018), for example, warns of an ‘illusory truth effect’ linked to fake news headlines. The authors argue that social networks enhance the attraction and belief in this type of false content, while pointing out that the categorisation of this content as unreliable is not an effective solution to the problem of fake news. In this sense, they mention examples of implausible contents and stories labelled as controversial that reached important credibility rates among Internet users. Accordingly, the works of Marcom, Murdoch, and Caulfield (2017) and those of Peters, Tartari, Lotfinejad, Parneix, and Pittet (2018) and Guess, Nagler, and Tucker (2019) in the field of health, warn that in the current scenario, marked by fake news, even a correctly conducted investigation could be distorted to make people believe something is false.

Most of the works concentrating on the user side deal with how people assess the messages they receive and how they establish criteria of credibility. In this vein, Tandoc et al. (2018) discover that people rely on both their own judgment of the source and the message, and when this does not adequately provide a definitive answer, they turn to external resources to authentically work on the user side deal with how people assess the messages they receive and how they establish criteria of credibility. In this vein, Tandoc et al. (2018) discover that people rely on both their own judgment, and when this does not adequately provide a definitive answer, they turn to external resources to authenticate news items. Along the same lines, Samuel-Azran and Hayat (2019) have pointed out that the social link between the user who distributes the content and the users who receive it impacts on the effect of the perception of credibility with respect to the news source, as well as on the credibility conferred on the message received. In another study, Pennycook and Rand (2019) claim that users resort to analytical thinking to assess the plausibility of potential fake news headlines. Thus, the authors conclude that the vulnerability of citizens to fake news is more a result of the inertia of lazy thinking than of partisan bias.

As previously mentioned, numerous studies (Hargittai et al., 2010; Wineburg & McGrew, 2016) have highlighted that young people, especially Generation Zers, are the most vulnerable to fake news.

Although there is no absolute consensus about the precise boundaries of Generation Z, most literature (Dimock, 2019) considers that it is composed of individuals born between the years 1996 and 2010. Their most important characteristic is that they are the first generation that has never known a world without the Internet. Their lives are moulded by the Internet, that has been converted in a natural part of their lives. In this vein, Marchi (2012) discusses how teenagers get informed about current events and why they prefer certain news formats to others. The results reveal changing ways news information is being accessed, new attitudes about what it means to be informed, and a youth preference for opinionated rather than objective news.

Generation Z will also be the most educated generation ever (Dimock, 2019). Notwithstanding, other studies (Chen, Sin, Theng, & Lee, 2015) have proven that the acquisition of a high level of education for an individual does not mean that this individual will stop accessing and distributing fake news. Other resources are needed.

2.3. Fake News, Future Journalists and Media Literacy

Many works focusing on the susceptibility of users and the reason why people might fall for false news, make efforts to propose concrete initiatives able to provide citizens with the necessary tools and skills to protect themselves from this vulnerability. All these studies agree that media literacy is the key for providing Internet users with a set of skills and abilities that will enable them to navigate with confidence, criteria and ethical parameters in cyberspace.

From an institutional perspective, the European Union defines ‘media literacy’ as the “capacity to access, have a critical understanding of, and interact with the media” (European Political Strategy Centre, 2017) and defends that media literacy is more important than ever, mainly in relation to young people’s poor ability to distinguish fake news from true news, to perceive the influence of algorithms on social networks or to recognize bots. Until now, the European Commission’s efforts have focused on promoting and measuring those more
technical skills (Durán-Becerra, 2016; Guess et al., 2019). UNESCO, on its side gives a special importance to the information within its proposed definition of ‘media and information literacy’ (UNESCO, 2013, 2018).

Media and information literacy share conceptual terrain and often overlap. Livingstone, Van Couvering, and Thumim (2008, p. 107) propose the following differentiation: “Media literacy sees media as a lens or window through which to view the world and express oneself, while information literacy sees information as a tool with which to act upon the world.” We align with Pérez-Tornero and Varis’ (2010) holistic approach, understanding media literacy as a concept embracing all the fields and all the competences related to media, that include news literacy.

Thus, news literacy can be defined a series of competences related to news, within the broader concept of media literacy. Malik, Cortesi, and Gasser (2013, pp. 8–9) propose a definition based on what it is meant to achieve: “An understanding of the role news plays in society; motivation to seek out news; the ability to find/identify/recognize news; the ability to critically evaluate news; the ability to create news.”

Many studies stress out the benefit of media literacy (Spratt & Agosto, 2017) and news literacy in providing people the competences to protect themselves against fake news (Vraga & Tully, 2015; Vraga, Tully, Kotcher, Smithson, & Broeckelman-Post, 2015). Lotero-Echeverri, Romero-Rodríguez, and Pérez-Rodríguez (2018), within the framework of a study that analyses the relationship between media competition and fake news, stress the importance of this set of skills in tackling the problem of disinformation in its different variants and contexts. Kahne and Bowyer (2016) demonstrate that young people who had exposure to media literacy education were significantly more likely than young people without such exposure to be guided by accuracy motivation when making judgments about controversial political claims; media literacy essentially helped young people to override the pull of prior beliefs, or directional motivation, in making such judgments. Media literacy training is also linked with increased perceptions of credibility and trust in news media and was found to help reduce perceptions of media bias (Vraga, Tully, Akin, & Rojas, 2012).

Recent studies (Middaugh, 2019) focus specifically on critical skills as the most valuable resources to equip media users with. In an experiment related to coverage of biofuels, specific news media literacy training was found to reduce hostile interpretations of media, increase perceptions of news story credibility, and increase trust in the media generally and the news specifically (Vraga & Tully, 2015, 2016).

As previously mentioned, Herrero-Diz et al. (2019) and Mendiguren et al. (2020) point out how journalism do not feel protected against ‘fake news.’ Accordingly, the works of Romero-Rodríguez and Aguaded (2016) have warned that the media literacy and information filtering capacities of journalism students in Latin American countries denote a lack of critical and reflective analysis in relation to their deontological role in the processes of production of contents of a journalistic nature.

3. Methods

The research takes an exploratory perspective (Vilches, 2011), based on a hybrid methodology developed from a matrix survey of journalism students and a subsequent survey to find out the type of content they had received on their digital devices during the lockdown, especially focusing on the reception and sending of fake news. The survey samples have been selected for convenience and are composed of university students from the field of journalism at the Autonomous University of Barcelona (UAB). A total of 252 students participated in the surveys in 2019, comprising 143 women (57%) and 109 men (43%) aged 18–21. The survey conducted during the confinement in 2020 obtained 300 responses and was composed of 71% women and 29% men. The participants were informed of the study and their consent was requested to participate in it.

By focusing on a sample of students from a specific university, we do not intend to make any generalization, rather to offer an approximation. The UAB, thereby, has been selected for convenience (the researchers could conveniently have access to a representative sample of journalism for this educational centre) and because it is one of the better known and ranked universities at Spanish level in the Journalism field.

We complemented our research with students, with a focus group of teachers (n = 6), from the same university and department, selected for being responsible of teaching different disciplines around Multimedia Journalism. In this article, they are identified as Professor 1, Professor 2 and, consecutively, up to 6. The results of the focus group allow to assume a more qualitative perspective in the reading and interpretation of the students’ answers. In order to further explore the information consumption and the position of journalism students towards fake news, the proposed method should be scaled to a broader sample, as well as to other cases.

The research combines both quantitative and qualitative data. Both the survey and the focus group have been designed based on a structured form of questions, both closed and open, mostly designed to encourage qualitative reflection.

The 2019 questionnaire, validated by a panel of experts (n = 10) in journalism, is composed of 22 open and closed questions about the identification and attitudes towards fake news, summarized in Table 1.

In addition, as an experimental manner, questions have been incorporated with examples of news that respondents should identify as true or fake news (see Figure 1).

The 2020 survey was not identical to the previous one, mainly focusing about disinformation during Covid-19 crisis, however it shared five questions with the
Table 1. Thematic variables.

<table>
<thead>
<tr>
<th>Research questions</th>
<th>Variables</th>
<th>Categories of analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>How do journalism students get information?</td>
<td>Information consumption</td>
<td>Habits of access and consumption of informative content. Frequency, sources and objectives</td>
</tr>
<tr>
<td></td>
<td>Sources of information</td>
<td>Identification of information sources typologies</td>
</tr>
<tr>
<td></td>
<td>Information validation and</td>
<td>Routines of verification, contrast and validation of the consulted content</td>
</tr>
<tr>
<td></td>
<td>contrasting</td>
<td></td>
</tr>
<tr>
<td>What is their attitude towards fake news?</td>
<td>Authorship of the fake news</td>
<td>Subjects responsible for the creation of false news</td>
</tr>
<tr>
<td></td>
<td>Reason to create fake news</td>
<td>Reflection on the reasons of their production</td>
</tr>
<tr>
<td></td>
<td>Audience</td>
<td>Typology of profiles and degrees of vulnerability to fake news. Analysis of the intergenerational component</td>
</tr>
<tr>
<td></td>
<td>Methods to spot fake news</td>
<td>Identifying features/traits of fake news</td>
</tr>
<tr>
<td></td>
<td>Importance and reach</td>
<td>Assessment of the seriousness and repercussions of the spread of false news</td>
</tr>
</tbody>
</table>

previous survey (see Table 1), that have been taken into consideration in order to complement and enrich 2019’s study, addressing our RQ1.

4. Results

4.1. Information Consumption by Young Journalism Students

The first part of the 2019 survey deals with young people’s information habits and relationship with different sources. To begin with, 90% of the respondents answered that they do use social networks for getting information. However, when asked about their favourite sources of information, more than 67% prefer online newspapers.

They consume updates on Instagram or Facebook from media accounts such as Código Nuevo, El País, VICE, just as they follow posts from friends or family, but they do not deliberately access them to be informed, they follow certain social accounts of online newspapers that sporadically feed them with information pills.

When it comes to topic that interest the young journalism students, 89% of respondents identify politics as the top thematic issue in their access to cyberspace platforms, with events (at 60%) and sports (at 23%) ranking second and third, respectively.

When it comes to one of the fundamental practices of the profession, contrasting information, the majority (77.1%) assures that they do, although only 43.3% say that they do so to verify the first information received; 30.6% say that they consult other sources to expand the information with more data, and 3.2% cite other reasons. Among those who assume that they are not in the habit of contrasting the information received, 12.3% say that they usually trust the first medium through which they receive the news, 7.5% say that they do not have time to verify the information, and 3.2% cite other reasons.

Figure 1. Example of question based on a case. Source: Authors.
Besides the habit of verifying or not the information, the students were also asked if they usually comment or discuss the news with their personal environment, as it can be seen in Figure 2. In this line, 50% assure that sometimes a week they discuss with their family or friends about this type of content; while 31% indicate that they do it daily.

Teachers, on their side, doubt about the quality of the debate they generate. According to Professor 3:

Most of them stay with the headline, this is not enough to have a deeper debate. Such an epidermal reading of information does not allow a subsequent debate to be generated when questioning information, let alone being able to glimpse the certainty of whether an item of information is false, real or true.

4.2. Journalism Students’ Position towards Fake News

When asked how they would define so-called fake news, the most frequent responses were ‘fake news,’ ‘fake fact’ or similar, clearly associated with a literal translation of the English expression. But as this is an open question, we can gather a series of concepts and ideas, which are part of the conception of future journalists with the fake news. In Table 2, we present some of these recurrent ideas, which are basically associated with three elements or categories: the sender (his interests or professional practice), the message (its characteristics) and the objective (or intentionality) of the information.

There is a predominance of ideas associated with ‘cheating,’ ‘manipulating,’ ‘confusing,’ ‘benefiting,’ ‘harming,’ i.e., mainly focused on aims or objectives that are incompatible with the ethics and professional deontology of journalism.

When it comes to the topic mostly affected by fake news, Figure 3 shows that Culture, Politics and Events are the most quoted.

During Covid-19 pandemic, according to the respondents of the 2020 survey, fake news accounted for 4.5% of all the content received. Although they were not the most recurrent, 91.1% of the students acknowledge that they received this type of content, especially during the quarantine period.

Although most experts recognize that most of fake news are circulated for political reasons, students in the 2019 survey do not seem to be aware of this, precisely the politicians are in third place, they consider that the Internet users are the main distributors of fake news (see Figure 4).

As for the digital platforms on which they believe in which more fake news were circulating during the 2020 pandemic, more than half of the students indicated Facebook as the first (28.6%) or second choice (26.2%) closely followed by Twitter (24.6% and 23%, respectively). At the other end of the scale, online newspapers were considered to have the least amount of fake news (30% of those interviewed placed them at the top of the scale).

As Professor 4 states: “Social networks are another means to manipulate people and show or facilitate the information that interests them at a political or economic level...they do not have a critical vision to listen to other points of view.” Therefore, teachers consider critical skills in students essential, especially media literacy. In spite of being journalism students, they “do not consult other sources or evaluate the journalist’s information.” The personification of information influences the belief of truth: “[Students] believe it and from there they don't move, like extremist positions, as this person said I don't believe the version that you say.” And highlighting the phenomenon of echo chambers, Professor 4 explains a recent conversation with an AI specialist: “I was saying that we like to be given our ears, we believe the news we like.” Professor 5 points out as an example of this in the political arena the case of Brexit in 2016 and the US elections in Trump. Professor 4 concludes by stressing the importance of democratic journalism, quoting therecognized journalist Martín Caparrós, who says: “In journalism it is not only necessary to tell people what they have the right to hear, but also to report what they do not want to hear and know.”

Regarding the age groups that, in their opinion, contributed most to the misinformation, the students indicated: adults (43.3%), almost tied with adolescents (42.9%), and followed more closely by the elderly (12.7%) and children (1.2%). And on the motivations for contributing to disinformation, 24.6% consider that ideological interests predominate, 11.1% highlight economic...
Table 2. Concept and ideas about fake news.

<table>
<thead>
<tr>
<th>Sender</th>
<th>Message</th>
<th>Intentionality</th>
</tr>
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<tbody>
<tr>
<td>“News published by sensationalist media…”</td>
<td>“news with false data or completely invented…”</td>
<td>“to attract the attention of the audience.”</td>
</tr>
<tr>
<td>“…might be influenced by interests unrelated to the transmission of events.”</td>
<td>“news based on totally or partially fictitious facts…”</td>
<td>“in order to make believe something or create an opinion about some subject or person.”</td>
</tr>
<tr>
<td>“News not based on solid arguments or reliable sources…”</td>
<td>“news in which is included untrue information or part of it is hidden…”</td>
<td>“to damage another person’s image, to see the effect it has and for the author’s own interest…”</td>
</tr>
<tr>
<td>“…coming from doubtful sources…”</td>
<td>“fake news that can be understood as true.”</td>
<td>“seeks to harm someone or a collective.”</td>
</tr>
<tr>
<td>“…with interests unrelated to veracity, ethics and civic responsibility…”</td>
<td>“false information spread by error or by lack of foundation and investigation.”</td>
<td>“are intended to create a social alarm.”</td>
</tr>
<tr>
<td>“…made up by unreliable media…”</td>
<td>“News that have a high percentage of falseness…”</td>
<td>“…the intention to deceive the reader about an event.”</td>
</tr>
<tr>
<td>“…often published by the country’s leading newspapers and television stations.”</td>
<td>“…tries to appear of being true but the information it offers cannot be contrasted.”</td>
<td>“…whose author has no intention of informing, but of gaining an easy click or influencing the public.”</td>
</tr>
<tr>
<td></td>
<td>“It’s often alarmist, ambiguous, unrealistic and even ridiculous news.”</td>
<td>“…created with the will to influence the reader by manipulating information.”</td>
</tr>
<tr>
<td></td>
<td>“…nobody knows where it comes from (source), everybody believes it and shares it very quickly.”</td>
<td>“…wants to spread a rumor of false news to confuse people…”</td>
</tr>
<tr>
<td></td>
<td>“They decontextualize an event, make it seem more alarmist.”</td>
<td>“…with the aim of confusing society or supporting a specific ideology.”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>“…in order to satisfy or attack an ideology.”</td>
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<tr>
<td></td>
<td></td>
<td>“…is intended to disinform.”</td>
</tr>
</tbody>
</table>

Figure 3. Which is the topic mostly affected by fake news?
interests, but the majority consider that both ideological and economic interests motivate the creation and dissemination of false information in the same way. Regarding the ideology of the users who disseminate the most fake news, it should be noted that the vast majority of students agree that it is the right wing that shares the falsest information.

According to Professor 4, this response from the students “is not ideologically motivated, but rather in line with society.” And as Professor 3 rightly comments:

It makes no sense to ask and consider the survey sample if they think that the fake news is mostly distributed by the left, the right, etc….The students in the survey show in their response that they are starting from a previous mistake, a product of ideological and cultural warfare, which is to assume that the falsified news is the product of a specific political ideology, without contrasting.

On the other hand, they were also asked about their own behaviour as Internet users, and whether they share or have shared fake news for any reason. The vast majority of the sample shared fake news, either deliberately or by mistake. Less than half (44.1%) said they had never shared a piece of fake news. Among the majority who do admit to having done so, they justify themselves on different grounds as shown in Figure 5.

The data leads us to question whether journalism students really know how to recognize fake news. Likewise,
taking up the definitions above (Table 2), it is striking that some students connect fake news with the perception of news that cannot be contrasted and that is credible to most of the public.

Teachers perspective is particularly interesting: they insist that: “When it comes to fake news students are as helpless as everyone else” (Professor 2), however they recognized, as expressed by Professor 1, that “by end the semester they learn that it is necessary to verify, contextualize and check more than one source.”

In this sense, when asked if they know when they are reading fake news, just over half (51.2%) answered ‘sometimes.’ 48% said they know ‘almost always’ when they read fake news, and 0.8% said they ‘never’ know. But no student claimed to ‘always’ know when they have false information in front of them. These answers somehow clash with another similar question. When asked if they think they know how to distinguish fake news from true information, less than half of the students (46.4%) said they think they know; 6.8% think they do not know how to make this distinction, and another 46.8% do not know what to answer. In order to contrast the self-perceptive information of whether they were able to detect fake news from true ones, a small evaluation test was elaborated, following the methodology of the media competence tests and 82% of the students correctly identified the fake news.

Students were also asked about the main elements or features that, in their opinion, allow the reader to detect fake news. As shown in Figure 6 most of them point to the headline style and the sources.

In conclusion, to answer RQ1, students consume information on social networks. Nonetheless, their main source of information, are online mainstream media and traditional media (TV or print). Interestingly, students consider that it is precisely social networks that spread the most fake news: firstly, Facebook, followed in second place by Twitter and in third place by Instagram. While cybermedia or other Internet sites are in fourth and fifth place respectively. However, despite identifying these networks as the most active in disseminating fake news, they are the platforms most consulted in their information habits.

To answer RQ2, students consider that fake news are: a) False news published by a specific issuer; b) news with untruthful data, therefore, the message is wrong; and c) carrying an intentionality behind their dissemination. In this case, they think that it is mainly generated from political actors. They consider that the profile of the disseminator of false news is a user of social networks, mainly adolescent or adult. In addition, most students know that fake news is spread because of ideological and economic interests. Along these lines, students consider that politics is the subject that generates the most of fake news, an aspect that is surely influenced by the country’s political instability and the daily lives of young people. In relation to this, the students assure that those who spread the most fake news are the centre-right users.

Furthermore, no student in the sample knows for sure whether he or she is reading a false story. In this sense, a little more than half recognize detecting them only sometimes. This conclusion was reached even though they answered the evaluation question about detecting a fake news item correctly. Most students admit to sharing fake news (a quarter were by mistake or legitimate appearance).

In conclusion, it is necessary to take up the opinion of Professor 3, who states that we are witnessing “an infantilization of society and a cultural war for de-democratization.” According to the interviewee fake news are nothing new, “All the reception studies and Walter Lippmann’s theorization on public opinion has already warned us, but the consequences in the society of fake news are going to be catastrophic.”

5. Discussion and Conclusions

Besides the geographical and sample limitations, our findings perfectly align with other studies realized in Spain (Herrero-Díz et al., 2019; Mendiguren et al., 2020),...
allowing to argue that certain trends are retrievable, at least at Spanish level: Journalism students get informed through social media, even if when looking for information they rely more online mainstream media. As for ‘fake news,’ they are well informed about what these are, they are concerned about this phenomenon, but they do not feel to have the necessary ability to spot one.

Our results also align with the findings on other studies in other contexts (Bhaskaran et al., 2019). To confirm this assumption, more meticulous comparative research is needed, not to overstate what could be context-specific and to allow some extent of generalization. Thereby, comparative and international research, besides assessing their perceptions, should go further into the specific assessment of the critical abilities of the students to spot fake news.

However, our results stress out the need to foster media literacy skills. Actions that encourage critical thinking must be implemented constantly. Education at the general level has an undisputed role in ensuring a medi-literate society. This milestone encompasses not only digital competencies and technical skills, but also the importance of critical thinking in the face of increasingly changing information environments. In addition, issues such as AI, content creation robots and newsroom automation are taking a predominant role in communication.

In particular, fake news represent a threat not only for all the citizens, but for the future of journalism itself. Specifically, as the former editor of The Guardian, Alan Rusbridger (2018, p. 4), observes:

> Journalism is facing an existential economic threat in the form of a tumultuous recalibration of our place in the world. And on both sides of an increasingly scratchy debate about media, politics, and democracy, there is a hesitancy about whether there is any longer a common idea of what journalism is and why it matters.

Journalism Studies need to adapt accordingly and so Journalism Faculties and Schools. As Silvio Waisbord (2018) notes, it is necessary to weave the study of journalism with the rapidly, constantly changing communication ecology.

Various studies (Cervi, Pérez-Tornero, & Tejedor, 2020; Cervi, Simelo, & Tejedor Calvo, 2020) have already pinpointed that most Journalism School’s educational programs are not ready to adapt to the important structural changes that the profession have undergone in recent years. Others (Waisbord, 2018) have highlighted the need to develop transversal actions for instructing both university professors and students in media competencies to face an ecosystem dominated by fake news and disinformation. Thereby, our findings, together with the positive assessment of media literacy initiative (Vraga & Tully, 2015; Vraga et al., 2015), allow to suggest the need to reform journalism curricula focusing on the promotion of media literacy among students (Tejedor & Cervi, 2017). In particular, news literacy (Spratt & Agosto, 2017), understood of a sub-branch of media literacy, is seen as a crucial competence for journalism students, but also as a necessary tool to recover the value of professional journalism and its foundational values, fundamental for the development and maintenance of a healthy public sphere.

Conflict of Interests

The authors declare no conflict of interests.

References


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