

How to cite this article in bibliographies / References

J Schena, R Besalú, C Singla Casellas (2018): “Updated assessment of the competencies required from Spanish journalists in the professional workplace”. *Revista Latina de Comunicación Social*, 73, pp. 531 to 555.

<http://www.revistalatinacs.org/073paper/1268/27en.html>

DOI: [10.4185/RLCS-2018-1268en](https://doi.org/10.4185/RLCS-2018-1268en)

[Funded] [Research] [1]

Updated assessment of the competencies required from Spanish journalists in the professional workplace

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Abstract

Introduction: This article aims to identify the most important competencies for the current exercise of journalism as a profession. **Methods:** The research study is based on an online survey questionnaire applied to a sample of professionals, professors, students and academic managers (N=103), and interviews with a sample of professionals in the field of journalism in Spain. **Results:** The article presents respondents' assessment of the importance and utility of disciplinary knowledge (know), professional competencies (know-how), academic competencies and other specific competencies proposed by the National Agency for Quality Assessment and Accreditation of Spain (ANECA, 2004). The statistical analysis of data has been performed with SPSS. **Conclusions:** The main results indicate that significant importance is still assigned to the traditional competencies of the journalist profile, and that these competencies are complemented with others that are in tune with the challenges raised by technological and social changes.

Keywords

Professional competencies, journalism, questionnaire, teaching innovation, Spain.

Contents: 1. Introduction. 2. Objectives. 3. Methods. 3.1.1. Sample and data collection instruments. 3.1.2. Procedure. 4. Results. 4.1. Disciplinary knowledge. 4.2. Professional

competencies. 4.2 Academic competencies. 4.4. Other specific competencies. 5. Discussion and conclusions. 6. Notes. 6. References.

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1. Introduction

The speed of the changes taking place in communication tools, processes, and structures in the knowledge society (Drucker, 1969) represents a challenge for universities offering degrees in journalism since, as a result of these changes, the knowledge, abilities and competencies that professionals need also have changed and they are expected to continue evolving. This affects the approach of educational projects that aim to offer an education of excellence for future journalists. The subject of professional competencies in the field of communication also affects teaching and therefore several research studies have focused on the competencies of teachers (Pérez Curiel, 2005), especially in view of the challenges posed by the continuous change related to technology and the transformation of the higher education system.

Faced with these changes, the media ecosystem (Deuze, 2006) requires journalists to be prepared to understand the communicative convergence and to adapt to the changes faced by the media in the areas of technology, content and business (Díaz Noci, 2010).

The debate about the crisis of journalism tends to emphasise the changes generated by the use of information and communication technologies (Baptist & Alba, 1997; Cabero, 1998), which have altered the work routines of journalists in newsrooms around the world and have conditioned “completely the way in which information is generated and consumed, changing, partly, the traditional paradigm of communication (sender, receiver, message, channel and feedback)” (Turmo & Lassa, 2016: 154).”

As Salaverría and Negredo (2008) point out, this context of change leads to reflection and discussion on the redefinition of the journalistic profession. This means that we should not consider the Internet as just another platform or channel to be added to the existing media, but as the foundational element of a new era of journalism. On the other hand, the debate extends to a teaching model that universities must offer for the degree in journalism, facing the broad vs. deep dichotomy. In the process of adaptation to the media environment and the incorporation of digital competencies, some journalism schools have placed emphasis on a “wide” teaching model rather than on the deepening of the topics, as Goodman and Steyn (2017) have pointed out.

At the corporate level, the growing internationalisation of the economy requires new approaches in the organisation of communication companies and specific competencies that are inherent to the current professional profile of the versatile journalist (Reflex, 2007; Scolari, 2010; González Molina & Ortells Badenes, 2012). In this sense, it is necessary that professionals to possess generic competencies that allow them to adapt to changes, innovate and take critical positions. Being aware of this situation is essential, since the function of journalism itself is also under review (Marques-Hayasaki, Roca-Cuberes & Singla, 2016).

According to the purpose of the university, students, as future professionals, find in this space the perfect environment to develop skills and competencies that will be key for the exercise of their profession and will affect directly their professional insertion and promotion in the sector in which they choose to graduate (Martín Bernal, 2012). In this sense, competency-based learning is the model that guides the structuring of the curricula (Medina Serrano & García Cabrera, 2005) and has been implemented by the universities of the European Higher Education Area (EHEA) (Díaz Barriga, 2006), of which Spain is part.

In the Spanish university system, degrees in communication have traditionally been devoted to Journalism, Audiovisual Communication and Advertising and Public Relations. Recently, new degrees in Digital Communication and Multimedia communication have been created, largely as a result of a reformulation of teaching in response to the changes and needs of today's job market. As mentioned by Mensing (2017: 232), some of the curricula implemented in recent years, in line with a global trend, emphasise students' mastery of content production, while others are aimed at the learning of new competencies in data journalism, mobile devices and design and data visualisation. Some programmes are ultimately focused on aspects of community journalism: teaching ways and strategies to create, share, build discourses and persuade, further blurring the line between journalism and strategic communications.

This research considers as key the word 'competency'. To delve into the aforementioned changes in the field of communication and to understand the objectives of this study, it is important to try to clarify the definition of this term. Although there is no unified definition of the concept of competence - which replaced the term 'qualification' in the job market (Álvarez, Pérez & Suárez, 2008)- there is wide literature offering proposals to approach it.

Some of the contributions more widely disseminated on the definition are:

“Underlying capabilities in the individual that are causally related to a standard of effectiveness and/or a ‘performance’ on a job or situation” (Spencer & Spencer, 1993: 9)

“Characteristics of certain people who make their behaviour to be especially successful in the environment in which they operate”. (Dirube, 2004: 12)

“The set of knowledge, competencies and attitudes necessary to perform a given occupation and the ability to mobilise and apply these resources in a given environment, to produce a defined result”. (Yániz Álvarez & Villardón Gallego, 2006: 23)

“The set of intrinsic characteristics of a person that are related to a successful performance at work and refer to «how» we do our work, and our attitude towards it”. (Cuts, 2009: 88).

The definition of competence, therefore, is large and complex and covers the appropriation, mental articulation and application of knowledge, skills, values and attitudes in order to understand, interpret and solve concrete problems. In the case that concerns us, that of journalism professionals, some examples would be: develop a new multimedia program, develop a graphic or publishing project to reformulate a printed newspaper, and to develop an academic research that makes a social contribution on aspects of communication, among others. In the context of university education, competencies refer to what can be developed through teaching-learning methods. These are reflected in four levels -know, know-how, know how to think and know how to be- and are oriented to comprehensive education and preparation for the exercise of professional activities.

For the degree in journalism, the competencies considered in the curricula of Spanish universities are based on the white paper on communication degrees [2] published by the National Agency for Quality Assessment and Accreditation (ANECA) of Spain. The questionnaire applied in this research is based, precisely, on the set of competencies described in this regulatory document.

The white book classifies four competency levels and distributes them in the following way: *disciplinary knowledge* (13 items), *professional competencies* (16 items), *academic competencies* (8 items) and *other specific competencies* (3 items), making up a total of 40 items (ANECA, 2004: 192-221). The set aims to ensure the theoretical, technical and cultural training of graduates in journalism and, transversely, the development of students as integral social being.

Taking into account that the proposal put forward by ANECA –with the participation of 40 universities Spanish- was published in 2004, it seems appropriate to update it thirteen years later in line with the transformations of the market and the teaching system.

According to the framework of this project, which considers that professionals increasingly perform multiple functions that are not strictly considered in traditional journalism profiles, our questionnaire offers respondents the possibility to describe their current occupation by selecting up to two of the following choices: journalism, advertising, public relations, audiovisual communication, interactive digital communication, and others.

Having set the framework and bases of this research, this article follows the line of previous studies on professional competencies in journalism (López, 2002; Scolari, 2008; Casero-Ripollés, 2013), new professional profiles in field of journalism (Marques-Hayasaki, 2016) and academic education in journalism (Goodman & Steyn, 2017). In addition, the article also intends to contribute to the reflection on competency-based university teaching (Rué, 2008).

2. Objectives

The overall objective of this study is to identify the most important competencies for the professional exercise of journalism in the context of today's job market. This definition incorporates a scale of the importance of the set of competencies under study and is based on the point of view of the active professionals and future professionals (students) of journalism who participated in the study.

The general objective is broken down into three specific objectives:

SO1. Investigate the perceptions on disciplinary, professional, academic and specific competencies required for the professional exercise of journalism.

SO2. Detect the most and least valued disciplinary, professional, academic and specific competencies for the professional exercise of journalism based on the opinions of the surveyed and interviewed participants.

SO3. Update the scale to assess the disciplinary, professional, academic and specific competencies that Spanish professionals and future professionals (students) of journalism considered important for the exercise of the profession.

3. Methods

This study follows a quantitative approach based on the survey technique (Cea D'Ancona, 2001). The online questionnaire, created with *Google Forms*, was applied to a sample defined by the guiding

research objectives and was composed of closed questions. This technique has allowed us to obtain an adequate volume of information in a relatively short time and also favoured the standardisation of data and comparability of responses, as well as allowing the generalisation of the obtained information.

The questionnaire has unified and adapted the list of knowledge and competencies proposed by the ANECA for the three areas: Audiovisual Communication, Journalism, and Advertising and Public Relations. This set took into consideration the professional competencies selected in recent articles on professional profiles and competencies in journalism (Marques-Hayasaki, Roca-Cuberes & Singla, 2016) and in advertising and public relations (Sánchez-Sánchez, Fernández Cavia & Roca-Cuberes, 2017). This decision is based on the desire to facilitate the formulation of each competence –which is long and complex in the aforementioned white paper- and adapt the length of the questionnaire to facilitate response and avoid misunderstanding caused by the similar description of some items.

Thus, the following table presents the 61 items included in the applied questionnaire and distributed in four categories: disciplinary knowledge (19), professional competencies (20), academic competencies (10) and other specific competencies (12):

Table 1

1	<i>Knowledge of the historical evolution, processes, theories and psychological models of communication</i>
2	<i>Capacity to apply properly native languages and the English language to the sector</i>
3	<i>Knowledge of the historical, political, economic, cultural and aesthetic parameters of societies and their influence in communication</i>
4	<i>Knowledge of the media's structure and main platforms and formats</i>
5	<i>Knowledge of the ethics, professional deontology and legal framework of the sector</i>
6	<i>Knowledge of the theories of advertising, public relations and corporate communication</i>
7	<i>Knowledge of the evolution and social impact of contemporary ICT</i>
8	<i>Knowledge of advertising processes, organisational structure, operation and management of media companies.</i>
9	<i>Evaluate the corporate state of an organisation and know and design communication strategies</i>
10	<i>Knowledge of the history, evolution and social relevance of photography, cinema, radio, television and the Internet</i>
11	<i>Knowledge of the organisational structures and capacity to apply techniques, processes and phases of audiovisual production and dissemination</i>
12	<i>Knowledge of marketing processes and specific techniques: positioning, segmentation and efficiency analysis and measurement</i>

13	<i>Knowledge of and capacity to apply resources, methods and procedures to create and analyse audiovisual narratives</i>
14	<i>Knowledge of and capacity to apply sector-specific software and new digital technologies</i>
15	<i>Learn about the economic and social aspects of advertising and public relations companies: labour relations, legal, fiscal aspects, financing, market</i>
16	<i>Knowledge of the functioning of a communication department, its direction and management of knowledge and intangible assets</i>
17	<i>Knowledge of the sector's research and analysis methods and techniques</i>
18	<i>Knowledge of the structure of advertising media: characteristics, typologies and problems</i>
19	<i>Knowledge of the methods of creative thinking (schools, methods and techniques), message-creation processes and their analysis</i>
20	<i>Apply communication techniques in different media and multimedia interactive platforms</i>
21	<i>Design formal and aesthetic aspects in written, graphic, audiovisual and digital media</i>
22	<i>Devise, plan and execute communicative projects</i>
23	<i>Manage strategically a company's corporate image, adding value to its products and services</i>
24	<i>Retrieve, analyse, process and disseminate information</i>
25	<i>Use data and statistics correctly</i>
26	<i>Learn autonomously and adapt to changes</i>
27	<i>Create and direct the full staging of audiovisual productions</i>
28	<i>Adjust the quantity and quality of sound, light and colour during the production process</i>
29	<i>Write fluently texts, step-outlines and scripts</i>
30	<i>Create, develop and monitor graphic elements, images and texts in a creative way</i>
31	<i>Organise and manage technical resources</i>
32	<i>Search, select and systematise any type of audiovisual document in a database</i>
33	<i>Analyse the structures, contents and styles of television and radio programming</i>
34	<i>Assemble sound and visual materials according to an idea using the necessary narrative and technological techniques</i>
35	<i>Recreate the sound environment of audiovisual or multimedia productions according to the text's intent and narrative</i>

36	<i>Assist, advise and help clients, continuously, during and after the execution of their communication actions</i>
37	<i>Set the communication plan: objectives, target audience, strategies and budget control</i>
38	<i>Create content for different media and control the continuity of the narrative discourse across them</i>
39	<i>Program and optimise web pages (SEO and SEM)</i>
40	<i>Knowledge of theories, methods, languages and problems of audiovisual communication</i>
41	<i>Identify relevant research topics, properly define and use information sources to generate knowledge in the area of communication</i>
42	<i>Ability to adapt to organisational objectives and culture</i>
43	<i>Ability to structure complex knowledge in a coherent way and interact with other disciplines</i>
44	<i>Present properly research results in oral, written, audiovisual or digital manner</i>
45	<i>Know how to evaluate media productions</i>
46	<i>Knowledge of the didactics of the disciplines of information and communication</i>
47	<i>Capacity to understand and interpret critically a complex communicative environment</i>
48	<i>Ability to search and manage information in a digital environment</i>
49	<i>Assume leadership in projects that require human and financial resources, managing them efficiently and assuming the principles of social responsibility</i>
50	<i>Equality awareness of individuals, peoples, cultures and respect for international human rights</i>
51	<i>Capacity to transmit knowledge and advances to the non-specialised majority in a comprehensive and effective way</i>
52	<i>Capacity to adapt to technological, business and organisational changes</i>
53	<i>Capacity to work in a team in different environments, communicate personal ideas and become part of a common results-based project</i>
54	<i>Ability to make decisions in situations of uncertainty, assuming risks and responsibilities</i>
55	<i>Capacity for self-criticism and correction of own mistakes</i>
56	<i>Insight, inventiveness and creativity to find effective solutions to new problems</i>
57	<i>Capacity for critical analysis, synthesis and judgement. Knowledge of how to relate causes and effects</i>
58	<i>Knowledge of how to manage time and organise tasks</i>

59	<i>Capacity to act freely and responsibly, assuming ethical references, values and consistent principles</i>
60	<i>Capacity for the objective analysis of reality and extraction of valid considerations</i>
61	<i>Capacity to apply interdisciplinary knowledge to the creation of communicative messages</i>

Source: Authors' own creation.

The questionnaire followed the five stages of survey-based research: 1) formulation of objectives, 2) preparation of data collection instrument and sample planning, 3) data collection, 4) coding of questions and debugging in SPSS, and 5) analysis and interpretation of collected data (Hernández Sampieri *et al.*, 2003) with the same software.

For the triangulation of data, we carried out in-depth interviews with a sample of four professionals who belong to the field of journalism and communication and carry out such activities as a multimedia editor, head of communication, communication council member and university professor of journalism. The interviews were conducted through an online confidential questionnaire (see annex 1).

The results of the study are detailed in the next section, unifying the quantitative and qualitative analyses (survey and interviews, respectively).

3.1.1. Data collection instruments and sample

The sample used in this study is composed of 103 participants who answered the questionnaire created with *Google Forms*. Responses were received between 25 April and 31 May, 2017. The sample of respondents is composed of professionals, professors, students and academic managers from the field of journalism in Spain. In a second phase, in-depth interviews with open-ended questions were conducted with professionals in the sector, in order to better understand the competencies and professional profiles based on their practices in the context of today's job market.

3.1.2. Procedure

The online questionnaire was structured in the following five sections (see table 2).

Table 2: Online questionnaire

Section 1.	<p>1. Which of the following areas of communication would describe your current occupation? (Answer options: journalism, advertising, public relations, audiovisual communication, interactive digital communication, and others.)</p> <p>2. What is your current occupation? (<i>Specify as much as possible (e.g. TV writer, journalism student, account executive, professor of advertising...)</i>) Open question.</p> <p>3. What tasks do you perform? (<i>Briefly describe what are the tasks that you perform most commonly</i>) Open question.</p>
	<p><i>“University degrees are currently designed based on the learning of competencies. Competencies are divided into 4 areas: disciplinary knowledge (know),</i></p>

	<i>professional competencies (know-how), academic competencies and specific competencies. Please rank the importance of the competencies included in each of these 4 areas”.</i>
Section 2.	<i>Disciplinary knowledge (know).</i>
Section 3.	<i>Professional competencies (know how).</i>
Section 4.	<i>Academic competencies.</i>
Section 5.	<i>Specific competencies.</i>

The competencies included in each section are listed in table 1.

A link to the questionnaire was sent via email to the Spanish universities that offer degrees in journalism. They were asked to distribute the email among the faculty, academic managers, and students. The group of professionals were invited to answer the questionnaire through the newsrooms of the main Spanish media and trade unions and associations of journalists. The form was open from 25 April to 31 May, 2017.

SPSS was used to performed descriptive statistics (mean, median, standard deviation, and mode) in the collected data, in order to organise on a scale of frequency the most relevant competencies for the surveyed participants.

Estimations were organised on a five-point Likert scale (1 is Not Important; 2 is Slightly Important; 3 is Moderately Important; 4 is Important; and 5 is Very Important) to allow the allocation of numbers according to a predetermined order to know the degree of agreement of interviewees with each of the knowledge and competencies proposed. This method allowed us to capture the intensity of participants’ opinions towards complex statements. For online questionnaires, this is a recommended resource, because it allows the interviewee to easily make comparisons between elements, modifications and adjustments to answers (Sweeney, Williams & Anderson, 2007).

The descriptive techniques used include frequency distribution, arithmetic mean and standard deviation. According to Sweeney, Williams and Anderson (2007), the distribution of frequencies can be defined as the sum of data that present the frequency or number of observations in each of the different non-overlapping categories, while Pestana and Gageiro (2014) describe it as a table that describes data and categorised them in percentages.

4. Results

The results presented here follow the order and sections division proposed in the questionnaire and are reported to highlight the findings on knowledge and competencies considered most important for the exercise of the profession in the context in today’s job market.

4.1. Disciplinary knowledge

Table 3. Disciplinary knowledge	Mean
<i>Knowledge of the historical evolution, processes, theories and psychological models of communication</i>	2.83
<i>Knowledge of and capacity to apply sector-specific software and new digital technologies</i>	4.01
<i>Knowledge of and capacity to apply resources, methods and procedures to create and analyse audiovisual narratives</i>	3.59
<i>Knowledge of the history, evolution and social relevance of photography, cinema, radio, television and the Internet</i>	3.00
<i>Evaluate the corporate state of an organisation and know and design communication strategies</i>	3.66
<i>Knowledge of the organisational structures and capacity to apply techniques, processes and phases of audiovisual production and dissemination</i>	3.36
<i>Learn about the economic and social aspects of advertising and public relations companies: labour relations, legal, fiscal aspects, financing, market</i>	2.94
<i>Capacity to apply properly native languages and the English language to the sector</i>	4.20
<i>Knowledge of the ethics, professional deontology and legal framework of the sector</i>	3.95
<i>Knowledge of the structure of advertising media: characteristics, typologies and problems</i>	3.06
<i>Knowledge of the sector's research and analysis methods and techniques</i>	3.38
<i>Knowledge of the functioning of a communication department, its direction and management of knowledge and intangible assets</i>	3.86
<i>Knowledge of the evolution and social impact of contemporary ICT</i>	3.60
<i>Knowledge of the media's structure and main platforms and formats</i>	3.97
<i>Knowledge of the theories of advertising, public relations and corporate communication</i>	2.98
<i>Knowledge of the methods of creative thinking (schools, methods and techniques), message-creation processes and their analysis</i>	3.03
<i>Knowledge of the historical, political, economic, cultural and aesthetic parameters of societies and their influence in communication</i>	3.46

<i>Knowledge of marketing processes and specific techniques: positioning, segmentation and efficiency analysis and measurement</i>	3.38
<i>Knowledge of advertising processes, organisational structure, operation and management of media companies.</i>	3.43

Source: Authors' own creation with SPSS results. See Annex 2.

The analysis of the rankings assigned to the 19 items in the disciplinary knowledge category, from highest to lowest, indicates that the knowledge areas currently perceived as most important for the profession are: 1) *Capacity to apply properly native languages and the English language to the sector* (average: 4.20) and *Knowledge of and capacity to apply sector-specific software and new digital technologies* (average: 4.01), both with an average ranking about 4. In the third and fourth positions are: *Knowledge of the media's structure and main platforms and formats* (average: 3.97) and *Knowledge of the ethics, professional deontology and legal framework of the sector* (average: 3.95).

The importance of knowledge and the correct use of the language is also related to some of the consequences of the crisis of journalism, as pointed out by one interviewee: “writers and editors have virtually disappeared. But not so much due to the technological conversion, but due to the economic crisis that has led to big media to cut some positions that were seen as unnecessary”. It should be added that the knowledge of other languages is essential to the current context of global journalism, in which an event that occurs in one place can affect the whole world. The journalist who dominates the knowledge of foreign languages is better prepared and has fundamental tools to recognise and explain these situations.

4.2. Professional competencies

Table 4. Professional competencies	Mean
<i>Retrieve, analyse, process and disseminate information</i>	4.22
<i>Organise and manage technical resources</i>	3.40
<i>Manage strategically a company's corporate image, adding value to its products and services</i>	3.41
<i>Analyse the structures, contents and styles of television and radio programming</i>	3.11
<i>Apply communication techniques in different media and multimedia interactive platforms</i>	3.74
<i>Use data and statistics correctly</i>	4.00
<i>Program and optimise web pages (SEO and SEM)</i>	3.55
<i>Adjust the quantity and quality of sound, light and colour during the production process</i>	2.95
<i>Write fluently texts, step-outlines and scripts</i>	4.49
<i>Search, select and systematise any type of audiovisual document in a database</i>	3.35

<i>Assemble sound and visual materials according to an idea using the necessary narrative and technological techniques</i>	3.36
<i>Learn autonomously and adapt to changes</i>	4.47
<i>Create content for different media and control the continuity of the narrative discourse across them</i>	3.88
<i>Design formal and aesthetic aspects in written, graphic, audiovisual and digital media</i>	3.50
<i>Recreate the sound environment of audiovisual or multimedia productions according to the text's intent and narrative</i>	3.06
<i>Create and direct the full staging of audiovisual productions</i>	2.91
<i>Set the communication plan: objectives, target audience, strategies and budget control</i>	3.68
<i>Devise, plan and execute communicative projects</i>	3.95
<i>Create, develop and monitor graphic elements, images and texts in a creative way</i>	3.79
<i>Assist, advise and help clients, continuously, during and after the execution of their communication actions</i>	3.17

Source: Authors' own creation with SPSS results. See Annex 3.

From the professional competencies, the items rated as most important were: *Write fluently texts, step-outlines and scripts* (average: 4.49) and, slightly behind in second place, *Learn autonomously and adapt to changes* (average: 4.47). Another item ranked above 4 is *Retrieve, analyse, process and disseminate information* (average: 4.22).

In relation to the classification identified in the questionnaire, the interviewees confirmed some aspects. A professional with more than 25 years of experience in the sector confirms that “the most important thing is always to be able to identify issues of interest and explain them properly”. On the issues considered as key to exercise the profession outside the academia, an interviewee, a university Professor, adds that: “being capable of identifying and telling good stories, interesting stories, so that people pays attention to relevant issues and can make decisions about them (consumption, leisure, voting, etc.)”. The interviewee also includes complementary aspects such as “capacity for research, ethics and commitment to the plurality of voices”.

With regards to the capacity to carry out autonomous learning and adapt to changes, one of the interviewees proposes to also think about innovation, reviewing the transformations of the newspaper market in recent decades and the opportunities to become entrepreneurs. In this sense he proposes that the most important competency is “the capacity to innovate, with respect to new business models for journalism, much more independent and detached from the large media companies”.

4.3. Academic competencies

Table 5: Academic competencies	Media
<i>Identify relevant research topics, properly define and use information sources to generate knowledge in the area of communication</i>	3.98
<i>Ability to adapt to organisational objectives and culture</i>	3.98
<i>Ability to structure complex knowledge in a coherent way and interact with other disciplines</i>	3.90
<i>Assume leadership in projects that require human and financial resources, managing them efficiently and assuming the principles of social responsibility</i>	3.71
<i>Knowledge of theories, methods, languages and problems of audiovisual communication</i>	3.27
<i>Capacity to understand and interpret critically a complex communicative environment</i>	4.08
<i>Know how to evaluate media productions</i>	3.56
<i>Knowledge of the didactics of the disciplines of information and communication</i>	3.28
<i>Present properly research results in oral, written, audiovisual or digital manner</i>	4.22
<i>Ability to search and manage information in a digital environment</i>	4.36

Source: Authors' own creation with SPSS results. See Annex 4.

From the proposed set of academic competencies, the three most important for respondents are: *Ability to search and manage information in a digital environment* (average: 4.36), followed in second place by *Present properly research results in oral, written, audiovisual or digital manner* (average: 4.22), and, in the third position, the *Capacity to understand and interpret critically a complex communicative environment* (average: 4.08).

The multiplicity of sources existing in the digital environment (search engines, social networks, billions of webpages with information about any topic etc.) allows us to understand why information search and management occupy the first position in this field, followed by the next step: the presentation of the research results. The third most important competence highlights the difficulty of trying to interpret in journalistic terms an environment whose complexity continues to increase. Thus, one of the interviewees, a professor of journalism, emphasises that these competencies are key to “maintaining the commitment to the seriousness and centrality of journalism, which is needed to promote the development of a democratic society”. This interviewee adds that immersion in the academic world is one of the work options for graduates and that the listed competencies play an equally important role in academic research and teaching.

4.4. Other specific competencies

Table 6. Other specific competencies	Media
<i>Capacity for the objective analysis of reality and extraction of valid considerations</i>	4.26
<i>Knowledge of how to manage time and organise tasks</i>	4.40
<i>Capacity to work in a team in different environments, communicate personal ideas and become part of a common results-based project</i>	4.39
<i>Capacity to adapt to technological, business and organisational changes</i>	4.33
<i>Capacity to transmit knowledge and advances to the non-specialised majority in a comprehensive and effective way</i>	4.26
<i>Equality awareness of individuals, peoples, cultures and respect for international human rights</i>	4.05
<i>Ability to make decisions in situations of uncertainty, assuming risks and responsibilities</i>	4.40
<i>Capacity for critical analysis, synthesis and judgement. Knowledge of how to relate causes and effects</i>	4.47
<i>Capacity to act freely and responsibly, assuming ethical references, values and consistent principles</i>	4.30
<i>Insight, inventiveness and creativity to find effective solutions to new problems</i>	4.34
<i>Capacity for self-criticism and correction of own mistakes</i>	4.28
<i>Capacity to apply interdisciplinary knowledge to the creation of communicative messages</i>	4.00

Source: Authors' own creation with SPSS results. See Annex 5.

In the group of other specific competencies, all proposed items were received scores above 4. According to respondents, the most important specific competence is the *Capacity for critical analysis, synthesis and judgement. Knowledge of how to relate causes and effects* (average: 4.47). Two competencies occupy the second position: the *Ability to make decisions in situations of uncertainty, assuming risks and responsibilities* (average: 4.40) and the *Knowledge of how to manage time and organise tasks* (average: 4.40). With a difference of just one decimal, the third most important specific competence is *teamwork in different environments, communicate ideas, and integrated into a common project aimed at obtaining results* (average: 4.39).

Consistently with the statements of interviewees, the specific competencies seem to be transversal to all professional profiles within journalism and represent guides for the development and

implementation of other competencies in the context of a competitive, instant and globalised job market that is highly dominated by information and communication technologies.

5. Discussion and conclusions

Based on the analysis of the collected data, we have established the knowledge areas and competencies that are important or otherwise from the point of view of active professionals and future professionals for the good exercise of the profession.

The analysis of the items that stood out in interviewees' rankings confirms, on the one hand, the direct connection between the effects of technological changes in the processes of communication and content creation and the competencies necessary for professional performance in the current context, in line with the aforementioned observations made by Deuze (2006) and Díaz Noci (2010).

With regards to disciplinary knowledge, the items that remain in first place are the correct use of native languages (as well as English) applied to the sector, and in line with the technological revolution, the knowledge and use of the specific software and new digital technologies applied to journalism, just prior to the knowledge of the structure of the media and their main platforms and formats. Of the areas of knowledge, the least important for the exercise of the profession, according for respondents, is the knowledge of the historical evolution, processes, theories and psychological models of communication (average: 2.83), which points towards a more technical orientation and perhaps less reasoned and critical of journalism as a tool and agent of social influence.

Regarding the know-how, the professional competencies, the nucleus of the professional profile is constituted by the capacity to write with fluency remains a top competency for journalists together with the ability to retrieve, analyse, process and disseminate information. This shows that, despite the fact that new competencies are added due to the passage of time and derived changes, the importance of the competencies that constitute the defining elements of the profession prevail. This result confirms the findings of the study carried out by Marques-Hayasaki, Roca-Cuberes and Singla (2016), about the new professional profiles and their respective competencies, which determined, based on interviews with Spanish journalists, that the traditional profiles are not disappearing completely despite there have been several changes in the journalistic work routines.

The most important competencies for respondents are the capacity to understand and interpret complex environments following a line of critical thinking and the capacity to present properly research results, which is unsurprising in this study.

The analysed data that take proportions of greater importance are the evaluation of the set of competencies defined as "other specific competencies". All the 10 items that form this competence group were assessed as *important* or *very important*, making this group the highest valued in the questionnaire. The competencies of this group are characterised for being transversal within the curricula of degree in journalism, since they are competencies that are developed throughout the academic experience and are inherent to the teaching-learning method. In this competence group, the items that received the highest scores are: equality awareness; teamwork capacity; ability to communicate ideas and become part joint projects; capacity to make decisions in situations of uncertainty, assuming risks and responsibilities; and capacity to act freely and responsibly, assuming ethical references, values and principles. In the current context of journalism, this assessment reveals the importance of these competencies and at the same time highlights a challenge for the education

system. This leads us to reflect more clearly on the debate around competencies for personal and professional development in a world marked by local problems with global reach that require to constantly take up positions that intertwine what we are and our ability to act as social beings.

Based on the findings, it can be said that the study has achieved its objectives and we are now able to offer an updated perspective on the assessment of professional competencies based on the professional practice of journalists and journalists in training in Spain. The results are also intended to be an informative complement useful for the review of the curricula of degrees in journalism.

For a better understanding of the results, the following table presents the disciplinary knowledge organised according to the importance attributed by respondents:

Table 7

1	<i>Capacity to apply properly native languages and the English language to the sector</i>
2	<i>Knowledge of and capacity to apply sector-specific software and new digital technologies</i>
3	<i>Knowledge of the media's structure and main platforms and formats</i>
4	<i>Knowledge of the ethics, professional deontology and legal framework of the sector</i>
5	<i>Knowledge of the functioning of a communication department, its direction and management of knowledge and intangible assets</i>
6	<i>Evaluate the corporate state of an organisation and know and design communication strategies</i>
7	<i>Knowledge of the evolution and social impact of contemporary ICT</i>
8	<i>Knowledge of and capacity to apply resources, methods and procedures to create and analyse audiovisual narratives</i>
9	<i>Knowledge of the historical, political, economic, cultural and aesthetic parameters of societies and their influence in communication</i>
10	<i>Knowledge of advertising processes, organisational structure, operation and management of media companies.</i>
11	<i>Knowledge of the sector's research and analysis methods and techniques</i>
12	<i>Knowledge of marketing processes and specific techniques: positioning, segmentation and efficiency analysis and measurement</i>
13	<i>Knowledge of the organisational structures and capacity to apply techniques, processes and phases of audiovisual production and dissemination</i>
14	<i>Knowledge of the structure of advertising media: characteristics, typologies and problems</i>
15	<i>Knowledge of the methods of creative thinking (schools, methods and techniques), message-creation processes and their analysis</i>

16	<i>Knowledge of the history, evolution and social relevance of photography, cinema, radio, television and the Internet</i>
17	<i>Knowledge of the theories of advertising, public relations and corporate communication</i>
18	<i>Learn about the economic and social aspects of advertising and public relations companies: labour relations, legal, fiscal aspects, financing, market.</i>
19	<i>Knowledge of the historical evolution, processes, theories and psychological models of communication</i>

Source: Authors' own creation.

Table 8 presents the set of professional competencies organised according to the importance attributed by respondents:

Table 8:

1	<i>Write fluently texts, step-outlines and scripts</i>
2	<i>Learn autonomously and adapt to changes</i>
3	<i>Retrieve, analyse, process and disseminate information</i>
4	<i>Use data and statistics correctly</i>
5	<i>Devise, plan and execute communicative projects</i>
6	<i>Create content for different media and control the continuity of the narrative discourse across them</i>
7	<i>Create, develop and monitor graphic elements, images and texts in a creative way</i>
8	<i>Recreate the sound environment of audiovisual or multimedia productions according to the text's intent and narrative</i>
9	<i>Set the communication plan: objectives, target audience, strategies and budget control</i>
10	<i>Program and optimise web pages (SEO and SEM)</i>
11	<i>Design formal and aesthetic aspects in written, graphic, audiovisual and digital media</i>
12	<i>Manage strategically a company's corporate image, adding value to its products and services</i>
13	<i>Organise and manage technical resources</i>
14	<i>Assemble sound and visual materials according to an idea using the necessary narrative and technological techniques</i>
15	<i>Search, select and systematise any type of audiovisual document in a database</i>

16	<i>Assist, advise and help clients, continuously, during and after the execution of their communication actions</i>
17	<i>Analyse the structures, contents and styles of television and radio programming</i>
18	<i>Recreate the sound environment of audiovisual or multimedia productions according to the text's intent and narrative</i>
19	<i>Adjust the quantity and quality of sound, light and colour during the production process</i>
20	<i>Create and direct the full staging of audiovisual productions</i>

Source: Authors' own creation.

Table 9, presents the academic competencies organised according to the importance attributed by respondents:

Table 9

1	<i>Ability to search and manage information in a digital environment</i>
2	<i>Present properly research results in oral, written, audiovisual or digital manner</i>
3	<i>Capacity to understand and interpret critically a complex communicative environment</i>
4	<i>Ability to adapt to organisational objectives and culture</i>
5	<i>Identify relevant research topics, properly define and use information sources to generate knowledge in the area of communication</i>
6	<i>Ability to structure complex knowledge in a coherent way and interact with other disciplines</i>
7	<i>Assume leadership in projects that require human and financial resources, managing them efficiently and assuming the principles of social responsibility</i>
8	<i>Know how to evaluate media productions</i>
9	<i>Knowledge of the didactics of the disciplines of information and communication</i>
10	<i>Knowledge of theories, methods, languages and problems of audiovisual communication</i>

Source: Authors' own creation.

And finally, table 10 presents the list of specific competencies organised according to the importance attributed by respondents:

Table 10

1	<i>Capacity for critical analysis, synthesis and judgement. Knowledge of how to relate causes and effects</i>
2	<i>Knowledge of how to manage time and organise tasks</i>

3	<i>Ability to make decisions in situations of uncertainty, assuming risks and responsibilities</i>
4	<i>Capacity to work in a team in different environments, communicate personal ideas and become part of a common results-based project</i>
5	<i>Insight, inventiveness and creativity to find effective solutions to new problems</i>
6	<i>Capacity to adapt to technological, business and organisational changes</i>
7	<i>Capacity for self-criticism and correction of own mistakes</i>
8	<i>Capacity to act freely and responsibly, assuming ethical references, values and consistent principles</i>
9	<i>Capacity for the objective analysis of reality and extraction of valid considerations</i>
10	<i>Equality awareness of individuals, peoples, cultures and respect for international human rights</i>

Source: Authors' own creation.

The observations made in this article converge with the condition that the mode of access to information and services is in continuous transformation, and so is the structure and composition of societies. These features of the contemporary panorama require journalism professionals with the ability to understand this continuous evolution and to renew themselves almost at the same speed. This means that the educational project must be adapted to this evolving flow so that future professionals can develop the competencies that contribute to their personal development and their insertion in the sector.

As Berger and Foote point out, an additional issue that is worth discussing is the ultimate goal of journalistic education: “to empower not only students, but also journalism in itself” (2017: 259). In other words, the quality education of future journalists is supposed to have an impact on the quality of citizens and society.

As final comments, we must recognise the limitation of the selected sample, which should be taken into account for future research. However, based on our results, we believe that the sample is consistent and appropriate for this first approach, which is part of a wider project.

Finally, our perception as researchers on the subject is that there is a clear need to study communication professionals in a regular basis. It is important to take into account their experiences and perceptions to continue adapting the subjects and contents of the degree in journalism for a better development of future professionals. This adaptation must remain within viability parameters and avoid the transformation of the degree into purely technological training, as García-Santamaría and Carter (2014) warn. Adding all this, and from a broader view, it is important to highlight the need to give continuity to the reflection on the importance of journalism and the space it occupies within communication sciences.

6. Notes

1. **Funded research.** This article is the product of the teaching innovation project titled “Evaluation and restructuring of communication degrees in the Pompeu Fabra University” (2014EMQ2 007), funded by the Agency for the Management of University and Research Grants (AGAUR) of the Government of Catalonia within the call for Strategic academic projects to improve quality, efficiency and internationalisation
2. Available at http://www.aneca.es/var/media/150336/libroblanco_comunicacion_def.pdf. Consulted for the last time on 30 October 2017.

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6.1. Related articles

Marques-Hayasaki, P., Fernández Cavia, J., & Singla Casellas, C. (2017). Mapeo de nuevos perfiles profesionales y competencias en el ámbito del periodismo. *Competencias y perfiles profesionales en el ámbito de la comunicación*, 67-77.

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Annex 1. Script for interviews

1. What are your current occupation in your professional life?
2. Which lines of research or professional projects are involved in?

3. What features do you consider the most important for the development of the profession, in general terms?
4. How do you translate the importance of these characteristics into competencies that journalism professional must have?
5. How would you describe the situation of the most traditional professional profiles? (E.g.: print journalism, editor in chief, writer, reporter, etc.)
6. Of these profiles, which one would you think would be changing due to the technological evolution?
7. Consequently, do you understand that some profiles would be disappearing?
8. Do you consider that those profiles related to digital content are transversal for the development of the profession?
9. How do you think that the specialisation of professionals is affected by the demand of the communication professional to be multipurpose?
10. From the professional point of view, do you think that the need to be updated influences your experience/level of specialisation?
11. How do you perceive the current situation of journalism studies?
12. Do you think that there is a need to develop an exclusive degree for studies on communication in a generic sense? Why?
13. Do you think it is necessary to offer degrees exclusively focused in digital communication? Why?
14. What are the aspects do you consider to be key to develop the profession outside the academia?
15. From the most traditional competencies, which ones would continue to be in-demand in the job market?
16. Consequently, what are the competencies that would have changed within the university education system?
17. Apart from these, do you think that new competencies are emerging or in demand in the academia?
18. How do you think the university system encourages the creation of new profiles?
19. How do you think this affects the most traditional profiles?
20. Which would the new capabilities that could be associated to the profiles already established? (e.g.: for the journalist, to know the functioning of social networks/social media, or the ability to move easily between journalistic genres and media, etc.)
21. How do you think that the new profiles that have recently emerged according to knowledge related to technology and digitisation affect the lack of standardisation in a rapidly changing field?
22. What university qualifications do you have?
23. In which organisation/university/company do you work?
24. What is your position in your workplace?
25. How many years of experience do you have in that position?
26. How long have been working/researching for in this area?

Annex 2. SPSS Table of disciplinary knowledge

	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer la evolución histórica, los procesos, teorías y modelos psicopedagógicos de la comunicación.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer y aplicar los diferentes métodos, teorías y modelos tecnológicos para crear y analizar mensajes de comunicación.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Evaluación del estado cooperativo de una organización y conocer y diseñar estrategias de comunicación.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Estar al tanto del estado cooperativo de una organización y conocer y diseñar estrategias de comunicación.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer las estructuras organizativas y sociales de las empresas, las técnicas, procesos de creación, producción y difusión.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer las estructuras organizativas y sociales de las empresas, las técnicas, procesos de creación, producción y difusión.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer las estructuras organizativas y sociales de las empresas, las técnicas, procesos de creación, producción y difusión.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer las estructuras organizativas y sociales de las empresas, las técnicas, procesos de creación, producción y difusión.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer las estructuras organizativas y sociales de las empresas, las técnicas, procesos de creación, producción y difusión.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer las estructuras organizativas y sociales de las empresas, las técnicas, procesos de creación, producción y difusión.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer las estructuras organizativas y sociales de las empresas, las técnicas, procesos de creación, producción y difusión.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer las estructuras organizativas y sociales de las empresas, las técnicas, procesos de creación, producción y difusión.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer las estructuras organizativas y sociales de las empresas, las técnicas, procesos de creación, producción y difusión.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer las estructuras organizativas y sociales de las empresas, las técnicas, procesos de creación, producción y difusión.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer las estructuras organizativas y sociales de las empresas, las técnicas, procesos de creación, producción y difusión.]	4. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer las estructuras organizativas y sociales de las empresas, las técnicas, procesos de creación, producción y difusión.]
N	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
Válidos	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
Perdidos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Media	2,8350	4,0297	3,5522	3,0000	3,6839	3,5689	2,8417	4,2039	3,9115	3,0480	3,3883	3,8641	3,6919	2,9806	3,0388	3,6660
Mediana	3,0000	4,0000	4,0000	3,0000	4,0000	4,0000	4,0000	4,0000	4,0000	3,0000	3,0000	4,0000	4,0000	3,0000	3,0000	3,0000
Moda	2,00	3,00	4,00	3,00	5,00	4,00	3,00	5,00	4,00	3,00	4,00	4,00	5,00	3,00	4,00	3,00
Desviación estándar	1,14710	1,00484	1,10646	1,13759	1,20934	1,12886	1,19990	,80054	1,07002	1,10491	1,13900	1,03011	1,13180	1,07061	1,20393	1,26658
Varianza	1,316	1,015	1,224	1,274	1,472	1,320	,811	1,164	1,121	1,221	1,269	1,061	1,271	1,146	1,449	1,604

Annex 3. SPSS Table of professional competencies

	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Organizar y promover información para difundirla.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Analizar las estructuras, estrategias de medios y espacios televisivos y radiofónicos.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Analizar las estructuras, estrategias de medios y espacios televisivos y radiofónicos.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Utilizar datos y estadísticas de la comunicación.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Identificar los canales de comunicación.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Identificar los canales de comunicación.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Identificar los canales de comunicación.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Identificar los canales de comunicación.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Identificar los canales de comunicación.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Identificar los canales de comunicación.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Identificar los canales de comunicación.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Identificar los canales de comunicación.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Identificar los canales de comunicación.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Identificar los canales de comunicación.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Identificar los canales de comunicación.]	5. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Identificar los canales de comunicación.]
N	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
Válidos	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
Perdidos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Media	4,2203	3,3981	3,4978	3,1068	3,7379	4,0000	3,9024	2,9115	4,4991	3,2489	3,3992	4,4660	3,8935	3,3049	3,0983	2,9126
Mediana	5,0000	3,0000	4,0000	3,0000	4,0000	5,0000	3,0000	3,0000	5,0000	3,0000	3,0000	5,0000	4,0000	3,0000	3,0000	4,0000
Moda	5,00	3,00	5,00	4,00	5,00	5,00	5,00	5,00	5,00	3,00	5,00	5,00	5,00	4,00	1,00 ^a	5,00
Desviación estándar	1,06840	1,00048	1,14724	1,24246	1,20843	1,18818	1,37004	1,36036	,86841	1,16912	1,17096	,86109	1,18886	1,19712	1,22735	1,40033
Varianza	1,136	1,419	2,009	1,802	1,859	1,812	1,877	1,881	,899	1,367	1,870	,741	1,407	1,688	1,801	2,166

Annex 4. SPSS Table of academic competencies

	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Identificar temas de investigación relevantes, definirlos y utilizar apropiadamente las fuentes para contr...]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Capacidad de adaptarse a los objetivos y cultura organizacionales.]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Estructurar el conocimiento de manera coherente y saber interrelacionarlo con otras disciplinas.]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Asumir el liderazgo en proyectos que requieran recursos humanos y presupuestarios gestionándolos eficient...]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer teorías, métodos, lenguajes y problemas de comunicación audiovisual.]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Entender e interpretar de manera crítica un entorno comunicativo complejo.]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Saber evaluar las producciones mediáticas.]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocer la didáctica de las disciplinas de la información y comunicación.]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Buscar y gestionar la información en un entorno digital.]
N	103	103	103	103	103	103	103	103	103
Válidos	103	103	103	103	103	103	103	103	103
Perdidos	0	0	0	0	0	0	0	0	0
Media	3,9806	3,9806	3,9029	3,7087	3,2718	4,0777	3,5631	3,2816	4,2233
Mediana	4,0000	4,0000	4,0000	4,0000	3,0000	4,0000	4,0000	3,0000	5,0000
Moda	5,00	5,00	5,00	5,00	5,00	5,00	4,00	3,00 ^a	5,00
Desviación estándar	1,17140	1,01923	1,09826	1,25738	1,17318	1,02603	1,11733	1,21605	1,01877
Varianza	1,372	1,039	1,206	1,581	1,376	1,053	1,248	1,479	,860

Annex 5. SPSS Table of other specific competencies

		6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Capacidad para el análisis objetivo de la realidad y extracción de consideraciones válidas.]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Trabajar en equipo en distintos entornos, comunicar las propias ideas e integrarse en un proyecto común de]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Adaptarse a los cambios tecnológicos, empresariales u organizacionales.]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Transmitir conocimientos y avances a la mayoría no especializada de manera comprensible y eficaz.]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conciencia igualitaria sobre las personas, los pueblos, las culturas y respeto por los derechos humanos in]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Tomar decisiones en situaciones de incertidumbre, asumiendo riesgos y responsabilidades.]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Capacidad de análisis, de síntesis y juicio crítico. Saber relacionar causas y efectos.]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Actuar en libertad y con responsabilidad referentes éticos, valores y principios consistentes.]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Perspicacia, ingenio y creatividad que permita hallar soluciones eficaces a problemas inéditos.]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Autoevaluarse de manera crítica y corregir los errores cometidos.]	6. Valora el grado de importancia de las siguientes competencias para el desempeño de tu presente o futura ocupación en el campo de la comunicación [Conocimientos interdisciplinarios aplicados a la creación de mensajes comunicativos.]	
N	Válido	103	103	103	103	103	103	103	103	103	103	103	
	Perdidos	0	0	0	0	0	0	0	0	0	0	0	
Media		4,2621	4,4078	4,3883	4,3398	4,2621	4,0583	4,4078	4,4660	4,3010	4,3495	4,2816	4,0097
Mediana		5,0000	5,0000	5,0000	5,0000	5,0000	4,0000	5,0000	5,0000	5,0000	5,0000	5,0000	4,0000
Moda		5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00
Desviación estándar		,96975	,85677	,88819	,91344	,94932	1,18673	,86814	,84963	1,06490	,90433	,99427	,97513
Varianza		,940	,734	,789	,834	,901	1,408	,754	,722	1,134	,818	,989	,951

How to cite this article in bibliographies / References

J Schena, R Besalú, C Singla Casellas (2018): “Updated assessment of the competencies required from Spanish journalists in the professional workplace”. *Revista Latina de Comunicación Social*, 73, pp. 531 to 555.

<http://www.revistalatinacs.org/073paper/1268/27en.html>

DOI: [10.4185/RLCS-2018-1268en](https://doi.org/10.4185/RLCS-2018-1268en)

Article received on 2 December 2017. Accepted on 30 February.

Published on 7 March 2018.