Ms. Ref. No.: JACALIB-D-15-00024

Title: Publication and Citation Patterns in Scientific Production for Decision-Making: Methods, Indicators, and Tools

**Response Letter to the Editor**

Dear Ms. ,

We thank you for the opportunity to revise our manuscript. We are grateful for the thoughtful comments and suggestions that reviewers provided. We believe that we have responded to each comment with a revision to the manuscript. In this letter we describe how we have aimed to respond to the comments and concerns raised. We do this by first restating or summarizing the comment and then explaining our response.

**Reviewers' comments:**

**Reviewer #1:**

* *In page 3, 1st paragraph, 3rd line, it mentioned, “This study focused on two digital databases: Scopus, of great international relevance, and Scielo, which stands out in the Hispanic region, allowing complete research.” Scopus and Scielo were mentioned. It is suggested that “Others” category be included to cater the other papers that were neither Scopus nor Scielo-based.*

**Response:**

**No es posible agregar la categoría “Otros” ya que para la construcción de la matriz de hallazgos se revisaron documentos indexados solamente en las dos bases de datos bibliográficas: Scopus y Scielo. Los documentos externos no se encuentran dentro del análisis.**

* *References were correctly cited, but, the paper is expected to have more references since the title in on methods, indicators, and tools.*

**Response:**

**Se tomo en cuenta la recomendación y se agregaron mas referencias para dar soporte a los resultados presentados en el artículo.**

* *It is recommended to include findings from other papers be presented to support the findings. Example, page 9, the paragraph after Table 3 – “Data mining techniques come from artificial intelligence and statistics. They are algorithms applied to a set of data to obtain valuable information. In terms of productivity analysis, evaluating information after using a data mining technique is critical.” It mentioned that using a data mining technique is critical. Add reference to support this statement same is true with, “… VOSviewer as a software tool to build and visualize bibliometric networks.” Provide a reference for this line.*

**Response:**

**Se incluyeron hallazgos de otros documentos para respaldar los hallazgos.**

**Example: “Data mining techniques are usually used to find hidden information in big amounts of data [41]. It can be applied to different areas, for example, Torres Berrú et al. presents a study whose purpose is to find algorithms that identify specific characteristics of fraud or corruption with the analysis of a set of documents with related topics [42]. On the other hand, Marcos-Pablos et al. describes a methodology with the objective of helping to adapt, filter and synchronize the search and selection of articles for bibliographic reviews, taking as a study set the abstracts of scientific databases. In both cases the main tool is data mining techniques [43]”.**

* *In addition, some sentences are too lengthy; it goes around the bush. Some sentences are hanging that does not convey the idea clearly. Examples are the first three lines of the Introduction. Consider using a software app to check the grammar for the entire paper.*

**Response:**

**Se revisó todo el documento y se corrigieron las oraciones que no transmiten una idea clara, adicionalmente se chequeo la gramática.**

* *The paper was written in an easy-to-follow format. Some parts need justification for easy understanding on the part of the reader. Example; Metadata Analysis and Content Analysis were considered. Authors should cite references that used this type of analysis and identify the benefit/s that will be drawn to the readers.*

**Response:**

**Se agregaron algunas justificaciones para un mejor entendimiento del lector, por ejemplo en el tema análisis de metadatos y análisis de contenido se justificó por qué se utilizan en la revisión de literatura. Así como el uso de la estructura PICO.**

**Example: “Metadata analysis and content analysis will be used. Because metadata analysis is an approach to improve the accuracy of resource discovery, it allows information to be organized in a structured way [39], a range of criteria and procedures may be necessary for different types of metadata. It supports content analysis that will contribute to developing a dialogue about assessing the quality of the metadata [40] and whether it meets the purpose and objectives of the selected study.”**

* *The idea of the paper is relevant to any area of research. However, the Abstract does not give a clear background of the paper. Thus, the following [parameters] must be established in the Abstract: WHAT – Clearly present the research, HOW – methods how you execute your research that will lead to the Results and Discussion then to Conclusion, and WHY – reason behind the research, impact of research to where it will be applied. In the last line of the Abstract, “Among the study's primary results, … add the article “the” to number of citations, and the VOSviewer collection and visualization tool have been the most outstanding for the literature study.”*

**Response:**

**Se reescribió el resumen considerando los elementos mencionados en el comentario (QUE, COMO, PORQUE) para presentar un fondo claro del artículo.**

* *The direction of the contents of the paper to the title is unlikely to be seen. There were differing objectives mentioned in the different parts of the paper.*

**Response:**

**Se revisó todo el documento y se hicieron las respectivas correcciones para aclarar el objetivo principal del artículo, dando al mismo una sola dirección.**

* *In the Methodology, a tab should be applied in the beginning of the first paragraph. Also, it stated “In this literature review...” but it was observed that there were only 3 references mentioned. It was expected that more references are to be cited and elaborate since your title is on methods, indicators, and tools.*

**Response:**

**Agregada más referencias que tratan acerca de los métodos y herramientas utilizados para la revisión de literatura.**

* *Also, “PICO” was mentioned in the paper. Mention the advantage/s this structure can give, why was it chosen just like in Arlene Fink’s.*

**Response:**

**Justificado porque se usó la estructura PICO para la selección de preguntas de investigación.**

**“the PICO structure was used to design study questions and, at the level of systematic reviews, to develop search strategies that allow delimiting the objective of the study [14, 38]”**

* *The first step in Arlene Fink’s methodology is “selection of research questions”.  The authors used formulation. It is recommended that authors should stick with the right term which is selection.*

**Response:**

**Colocado Selección**

* *In the second paragraph of the Methodology, line 4, “The current case study analyzes…”. It again mentioned a type of paper. The authors should identify be consistent with their paper.*

**Response:**

**Aclarado en todo el documento el tipo de paper que se desarrolló.**

* Still on Methodology, start of line 7. The pronoun “They” was mentioned. It must be replaced with specific nouns.

**Response:**

**Se reemplazó por un pronombre específico “patterns”.**

* *Line 8 of the Methodology – “Consequently, the following questions were considered:…” What brought the authors to consider these questions? Any reference for this?*

**Response:**

**Se consideraron las preguntas en base a la estructura PICO, que permite diseñar las preguntas y determinar estrategias de búsqueda en las revisiones de literatura, permitiendo tener una idea clara del objetivo del estudio.**

* *3rd paragraph, line 1 of Methodology – “The second step corresponded to the selection of digital databases.“ The authors used digital instead of bibliographic. Again, be consistent.*

**Response:**

**Cambiado el término de base de datos digital a base de datos bibliográfico.**

* *3rd paragraph, line 3 of Methodology – “This study focused on two digital databases: Scopus, of great international relevance, and Scielo, which stands out in the Hispanic region, allowing complete research.” The authors must cite their references to support this claim. The same is true with 3rd paragraph, line 4 of Methodology – “Subsequently, as a third step, it was necessary to determine the keywords, which, for this research, were derived mainly from the following basic terms: "Acquisition and Subscription", "Bibliometric Methods and Indicators", "Data Mining Techniques and Visualization Tools". References must be noted.*

**Response:**

**Se agregaron las referencias correspondientes, sin embargo, las palabras clave no se citan ya que son elegidas por nuestro criterio.**

* *A tab must be applied before “The fourth step…” .*

**Response:**

**Según el formato de paper no debe ir TAB al inicio de un primer párrafo**

* *4th paragraph, line 2 of Methodology. The line “In this case, several articles did not contain relevant information for this study when using the search terms.” can be omitted. There is no relevance in the paper. Instead, after the 1st line, it is suggested that “2016-2020 articles published in English and Spanish were selected. Furthermore, the Spanish language made it possible to find principles, guidelines, and indicators applied in local institutions. English is the universal scientific language [16]; therefore, it is essential in all investigations.*

**Response:**

**Se aceptaron las sugerencias y se omitió la segunda línea de Metodología en el 4to párrafo**

* *5th paragraph, 1st line. Cite your reference.*

**Response:**

**Se**

* *The term “Finding Matrix” was mentioned but not included in the abstract. It is recommended cite your reference and include in the abstract.*

**Response:**

**Se mencionó “Matriz de Hallazgos en el abstract”**

* *Results and Discussion were divided into two: Metadata Analysis and Content Analysis and the figures and tables were clearly presented. Discussions on the findings were vague because the objective/s of the research is not well-established. Different methodologies, indicators and tools used in the paper should be discussed and supported by references established integrity. It mentioned on Arlene Fink’s methodology then later, applied PICO structure.*

**Response:**

**Se reescribió la parte de los objectivos**

* *Under Metadata Analysis, a tab must be applied at the beginning of the sentence.*

**Response:**

**Según el formato de paper no debe ir TAB al inicio de un primer párrafo**

* *2nd paragraph, 2nd line – “… this began with the criteria of purchase OR subscription to digital databases.” Fig 1. is labeled as Amount of information retrieved on purchasing AND subscription criteria per country. Observe proper connective.*

**Response:**

**Se corrigió el nombre de la figura 1**

* *In page 6, Fig. 3, \*PHL = Philosophy was presented. But Philosophy was never mentioned in the paper.*

**Response:**

**Se incluyó \*PHL en la figura 3**

* *A tab must again be applied on the first paragraph of the Content Analysis. Also, consider rewording the 1st three lines – “In the content analysis, the research questions established in Section 2 are answered. Regarding the question: 1) What are the criteria, methods, or strategies for acquiring digital databases in university libraries? Previously, the articles describing the entities or institutions that subscribe or acquire a digital repository were located.” It is more appropriate to say: “In this part of the paper, research questions established in Section 2 were answered… The articles describing the entities or institutions that subscribe or acquire a digital repository were identified.”*

**Response:**

**Se aceptaron los comentarios y se reescribieron las primeras tres lineas**

* *A tab must again be considered in the 1st paragraph of the Conclusions.*

**Response:**

**Según el formato de paper no debe ir TAB al inicio de un primer párrafo**