

# **Bibliometric Analysis of European Research on Digital Divide: An Exploration of the Corporate Landscape**

Research Proposal

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## ***Context:***

The emergence of the so-called “digital divide” has brought adverse effects, especially on the actors in society who lack access, literacy, and fluency in digital technologies. Within the extant literature, the digital divide is triggered by different factors. For example, the generational gap, the income and wage disparities, the unbalance between rural and urban at the regional level, and the gap between emerging and developed economies, among others. The European Union has recently launched the Digital Europe program, accompanied by a battery of policies that will not only guide the digital and technological future of European countries but also propose an agenda to bridge the digital divide at different levels. In so doing, it becomes relevant to evaluate the main research contributions, identify the leading academic trends, and determine possible knowledge gaps within the digital divide theme.

## ***Purpose:***

This study aims to examine the intellectual interactions, structural connections, and thematic relationships among European research components regarding the digital divide using different bibliometric techniques such as citation and co-citations analysis, bibliographic coupling, and co-word analysis. At the same time, this work endeavors to explore the corporate digital divide and answer the following research questions. *How has the emphasis of European research on the digital divide evolved? What are the most influential publications and authors? What are the thematic clusters among the citing publications? What are the intellectual structure and the knowledge foundations within the domain of the digital divide?* Understanding the digital divide as a multidimensional issue, *what are the thematic clusters among publications? Is the corporate digital divide considered a gap for future research?*

## ***Design/Methodology/Approach:***

This investigation will conduct a bibliometric analysis by merging data from three databases (Web of Science, Scopus, and Dimensions), limiting the search to authors with European affiliations within the business, management, economics, technology, and computer science disciplines. This study covers scientific research published between 2000 and 2021 with a total of 1883 unique documents, including articles, book chapters, conferences, and proceedings. The results will be obtained by operating the R programming language using the bibliometrics package and the biblioshiny application.

### ***Expected Results:***

Based on our analysis of European research on the digital divide, we expect to identify several key trends and patterns in the data.

The expected outcomes of this bibliometric study on the digital divide research may include the following:

- Identifying the most influential publications and authors in the field
- Mapping the intellectual structure and linkages within the research on the digital divide
- Identifying emerging themes and subfields within the research on the digital divide
- Assessing the impact and reach of European research on the digital divide
- Identifying gaps and areas for future research on the digital divide.

### ***Originality Value:***

The novelty of this study relies on a more comprehensive bibliographical data range on the digital divide by merging data from the Web of Science, Scopus, and Dimensions databases to explore scientific output and the impact of European research in the field. Additionally, it will include the analysis of the most influential research in three different periods (2000-2007; 2008-2014; 2015-2021). Technological advances are continuous and increasingly sophisticated. Thus exploring the most influential research in different periods is pertinent to evaluate the evolution and new findings in the literature. Although there is a broad scope within the literature covering the digital divide, the few studies using the bibliometric method focus mainly on bibliographic research in health sciences, computer science, and technology.

## **References**

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