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Research Article

## Bibliometric Analysis on the Relationship of Data Science in the Mental Health of Child and Adolescent Population

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## Abstract

Mental health is a state of well-being immersed in various factors that impact the different stages of human life, and essentially the child and adolescent population. In recent years it has become one of the focuses of attention, due to the various problems that have arisen around this concept. This concept has been approached from various angles of knowledge, generating an evolutionary process where data science has been related to this and other areas of knowledge. The present study aims to analyze the scientific production on the relationship of data science in mental health for the case of children and adolescents. For this, a bibliometric analysis was carried out, allowing the recognition of the articles related to the descriptors under study in the last 5 years, using the recognized PubMed database and making use of the statistical software R with the Biblioshiny application, the cual is immersed in the Bibliometrix library. Concluding, that despite the efforts made to increase scientific production on the relationship between the concepts of data science and mental health, work must continue to increase the debate on these issues together, in light of the fact that data science currently contributes to the understanding and optimal decision-making on mental health in children and adolescents.

Keywords: Health Mental; Data Science; PubMed; Children; Adolescents

## Introduction

The World Health Organization [35], conceives mental health as that state of well-being in which the individual projects his abilities to cope with life and the complexities that it entails, in order to have a productive life that also contributes to community well-

being. In this sense there are certain population segments that in terms of both physical and mental health are mostly vulnerable, as is the case of the child and adolescent population, because these two stages of life correspond to crucial moments for human development, given that in these extensive changes are manifested in physical aspects, social and psychological [17].

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