

GROWTH OF BIG DATA RESEARCH PRODUCTIVITY: A SCIENTOMETRIC ANALYSIS

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ABSTRACT

This study examined the growth rate of Big Data research literature over the period 2001 to 2020. Data were extracted from WoS and Scopus Databases and merged with Bibliometrics, R programming. Collected data further refined and remove duplicate records and finally analyzed a total of 19667 research papers. This study aims to determine various scientometric indicators, including the year-wise distribution of records, annual growth rate, compound annual growth rate, authorship pattern, etc., This article shows an increase in publications from 0.005 to 21.37% with an annual growth rate of 89.53% and a CAGR of 41.56%. Over the study period, the results reported here confirm that the relative growth rate decreased and the doubling time increased. Writing modeling showed that 93.66% of articles were co-authored. As the results show, the growth rate of big data research is at an alarming rate.

KEYWORDS: *Scientometrics; Big Data, Bibliometrix, Authorship Pattern*