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Table of Contents

Research Trends Editorial Board

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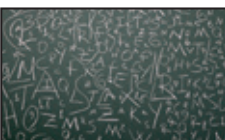
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Page 03

The Evolution of Big Data as a Research and Scientific Topic: Overview of the Literature

This overview explores the evolution of Big Data as a scientific topic of investigation in an article that frames the topic within the peer reviewed literature.



Page 07

Big Data: Science Metrics and the black box of Science Policy

This contribution, by Julia Lane, illustrates how Big Datasets should be used to inform funding and science policy decisions.



Page 09

Guiding Investments in Research: Using Data to Develop Science Funding Programs and Policies

Norman Braveman demonstrates how sophisticated text mining technologies can be used to analyze Big Data.



Page 11

ICSU and the Challenges of Big Data in Science

Ray Harris, discusses challenges of Big Data and ICSU's approach to Big Data analytics.



Page 13

Computational & Data Science, Infrastructure, & Interdisciplinary Research on University Campuses: Experiences and Lessons from the Center for Computation & Technology

Daniel Katz and Gabrielle Allen demonstrate the use of Big Data analytics at university level.



Page 17

A Big Data Approach to the Humanities, Arts, and Social Sciences: Wikipedia's View of the World through Supercomputing

Kalev Leetaru shares an innovative way to analyze Wikipedia's view of world history using a Big Data approach to historical research.

Page 18 – Part 1: Background

This part of the article describes the project background, purpose and some of the challenges of data collection.

Page 21 – Part 2: Data processing and Analytical methodologies

The methods by which the Wikipedia data was stored, processed, and analysed are presented in this part of the article.

Page 24 – Part 3: Data analytics and Visualization

This part of the article describes the analytical methodologies and visualization of knowledge extracted from the Wikipedia data.



Page 31

The use of Big Datasets in bibliometric research

This article illustrates how usage, citations, full text, indexing and other large bibliographic datasets can be combined and analyzed to follow scientific trends.



Page 34

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It is our birthday. Happy Birthday **Research Trends!**