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Big Data Analytics

Big Data Analytics involves examining large and complex data sets to uncover patterns, trends, and insights using advanced tools like machine learning and data mining. In science, IT, and engineering, it drives innovation by enabling faster data processing, optimizing systems, and improving decision-making.

- **IBM Big Data and Analytics** <https://www.ibm.com/topics/big-data-analytics>

Creators, partners and clients putting technology to work in the real world – ibm.com (Access date: October 17, 2024)

- **Microsoft Azure Big Data Analytics** <https://azure.microsoft.com/en-us/resources/cloud-computing-dictionary/what-is-big-data-analytics>

Azure is a cloud-computing platform that provides a wide range of services, including computing power, storage, databases, and AI tools, allowing users to build, deploy, and manage applications. It supports various programming languages, frameworks, and operating systems, making it highly versatile for developers and enterprises. – azure.microsoft.com (Access date: October 17, 2024)

- **Tableau Data Analytics** <https://www.tableau.com/analytics/what-is-big-data-analytics>

Tableau is a visual analytics platform transforming the way we use data to solve problems-empowering people and organizations to make the most of their data – tableau.com (Access date: October 17, 2024)

- **SAS: What is Big Data Analytics** https://www.sas.com/en_ph/insights/analytics/big-data-analytics.html

Through innovative AI and analytics, SAS provides knowledge in the moments that matter – sas.com (Access Date: October 17, 2024)

- **SimpliLearn: Big Data** <https://www.simplilearn.com/what-is-big-data-analytics-article>

Simplilearn is the world's leading digital skills provider, enabling learners across the globe – simplilearn.com (Access date: October 18, 2024)

- **Coursera: What is Big Data Analytics? Definition, Benefits, and More**

<https://www.coursera.org/articles/big-data-analytics>

Coursera partners with leading universities and companies to bring flexible, affordable, job-relevant online learning to individuals and organizations worldwide – about.coursera.org (Access date: October 18, 2024)

- **TechTarget: Big Data Analytics**

<https://www.techtarget.com/searchbusinessanalytics/definition/big-data-analytics>



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TechTarget has built a network of technology-specific websites to provide valuable problem-solving and decision support content to IT professionals and line-of-business managers. – techtarget.com (Access date: October 18, 2024)

- **Splunk a CISCO company:** What is Big Data Analytics?

https://www.splunk.com/en_us/blog/learn/big-data-analytics.html

Splunk purpose is to build a safer and more resilient digital world that could helped organizations explore the vast depths of their data like spelunkers in a cave – splunk.com (Access date: October 18, 2024)

- **Google Cloud: What is Big Data?** <https://cloud.google.com/learn/what-is-big-data>

Accelerate your digital transformation. Whether your business is early in its journey or will on its way to digital transformation, Google Cloud can help solve your toughest challenges. – cloud.google.com (Access date: October 18, 2024)

ARTICLES in ScienceDirect:

- Towards 6G Internet of Things: Recent advances, use cases, and open challenges
<https://www.sciencedirect.com/science/article/pii/S2405959522000959>
- Industry 5.0: a survey on enabling technologies and potential applications
<https://www.sciencedirect.com/science/article/pii/S2452414X21000558>
- Big data analytics and machine learning: A retrospective overview and bibliometric analysis
<https://www.sciencedirect.com/science/article/pii/S0957417421009672>
- Healthcare informatics and analytics in big data
<https://www.sciencedirect.com/science/article/pii/S0957417420302128>
- Big data analytics deep learning techniques and applications: A survey
<https://www.sciencedirect.com/science/article/pii/S0306437923001540>
- Understandable big data: A survey
<https://www.sciencedirect.com/science/article/pii/S1574013715000064>
- Concurrence of big data analytics and healthcare: A systematic review
<https://www.sciencedirect.com/science/article/pii/S1386505618302466>



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PUBLICATIONS in ScienceDirect

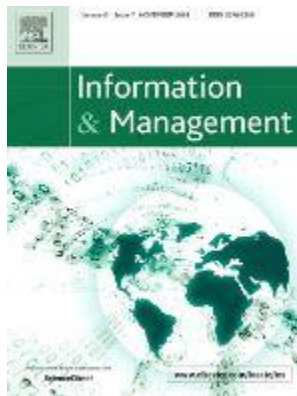


Future Generation Computer Systems

<https://www.sciencedirect.com/journal/future-generation-computer-systems>

The International Journal of eScience

FGCS aims to lead the way in advances in distributed systems, collaborative environments, high performance and high performance computing, Big Data on such infrastructures as grids, clouds, and the Internet of Things (IoT).

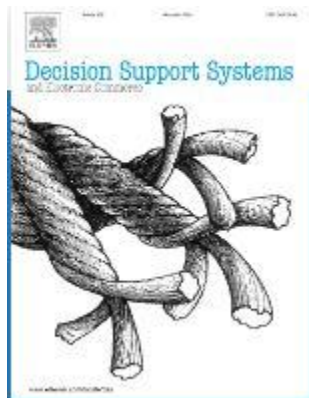


Information & Management

<https://www.sciencedirect.com/journal/information-and-management>

The International Journal of Information Systems Theories and Applications

Information & Management serves researchers in the information systems field and managers, professionals, administrators and senior executives of organizations which design, implement and manage Information Systems Applications.



Decision Support Systems and Electronic Commerce

<https://www.sciencedirect.com/journal/decision-support-systems>

The common thread of articles published in the journal is their relevance to theoretical and technical issues in the support of enhanced decision-making. The areas addressed may include foundations, functionality, interfaces, implementation, impacts, and evaluation of decision support systems (DSSs).



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Journal of Parallel and Distributed Computing

<https://www.sciencedirect.com/journal/journal-of-parallel-and-distributed-computing>

The journal publishes original research papers and timely review articles on the theory, design, evaluation, and use of parallel and/or distributed computing systems.

ARTICLES in EBSCO Discovery Service

- Big Data Analytics and Management Forecasting Behavior
<https://research.ebsco.com/c/ni2m7j/viewer/pdf/hitizjelff>
- Leveraging Supply Chain Reaction Time: The Effects of Big Data Analytics Capabilities on Organizational Resilience Enhancement in the Auto-Parts Industry
<https://research.ebsco.com/c/ni2m7j/viewer/html/x6zestzgf5>
- Big data analytics-enabled sensing capability and organizational outcomes: assessing the mediating effects of business analytics culture
<https://research.ebsco.com/c/ni2m7j/viewer/html/po6kkjrxnj>
- Decision optimization in cooperation innovation: the impact of big data analytics capability and cooperative modes <https://research.ebsco.com/c/ni2m7j/viewer/html/xd5xdek5ab>
- Harnessing Educational Big Data Analytics for Decision-Making in Enhancing School Teaching Quality <https://research.ebsco.com/c/ni2m7j/viewer/pdf/rmkd7x7oyr>
- Big Data Analytic Tools Usage among Academic Libraries in Tanzania
<https://research.ebsco.com/c/ni2m7j/viewer/pdf/ujc2yivwun>
- Educational Big Data Analytics using sentiment analysis for student requirement analysis on courses <https://research.ebsco.com/c/ni2m7j/viewer/pdf/oq2em6eizz>
- Exploring data-driven innovation: what's missing in the relationship between big data analytics capabilities and supply chain innovation?
<https://research.ebsco.com/c/ni2m7j/viewer/html/tnmisnrgir>
- How do firms create business value and dynamic capabilities by leveraging big data analytics management capability? <https://research.ebsco.com/c/ni2m7j/viewer/html/sj2yn4n4lb>
- Exploring the diffusion of big data analytics within accounting education
<https://research.ebsco.com/c/ni2m7j/viewer/pdf/mwbrfa3d2f>



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- Big data analytics capability in healthcare operations and supply chain management: the role of green process innovation <https://research.ebsco.com/c/ni2m7j/viewer/html/jhybdh4g2f>
- The nexus of big data analytics, knowledge sharing, and product innovation in manufacturing <https://research.ebsco.com/c/ni2m7j/viewer/pdf/zgi4batswj>
- The role of alliance management, big data analytics and information visibility on new-product development capability <https://research.ebsco.com/c/ni2m7j/viewer/html/yoxbzijyyj>
- A systematic literature review on the use of big data analytics in humanitarian and disaster operations <https://research.ebsco.com/c/ni2m7j/viewer/html/zi6gwgxumb>
- Unveiling the landscape of big data analytics in healthcare: a comprehensive bibliometric analysis <https://research.ebsco.com/c/ni2m7j/viewer/pdf/h4plsucfrr>
- Effects of big data analytics in learning management systems for improving learners' academic success <https://research.ebsco.com/c/ni2m7j/viewer/pdf/whuzbn5kyz>
- Impact of big data analytics on supply chain performance: an analysis of influencing factors <https://research.ebsco.com/c/ni2m7j/viewer/html/56fl67siin>
- Educational big data analytics for futuristic smart learning using deep learning techniques <https://research.ebsco.com/c/ni2m7j/viewer/pdf/apog2dx4zz>
- Optimizing big data capabilities and management in manufacturing firms: a sociotechnical perspective <https://research.ebsco.com/c/ni2m7j/viewer/pdf/ilbfx64bqi>

BOOK CHAPTER in JSTOR (eLibraryUSA)

- Big Data Analytics in Education: Big Challenges and Big Opportunities <https://www.jstor.org/stable/j.ctv1gbrzf4.19>
- The Management and Use of Digital Data in Education <https://www.jstor.org/stable/j.ctv1gbrzf4.16>
- Big Data: Ethical Debates <https://www.jstor.org/stable/j.ctv5vddsw.5>
- Big data: shaping knowledge, shaping everyday life <https://www.jstor.org/stable/j.ctt20krxdr.9>
- Education in the Age of 'Corporate YouTube': Big Data Analytics Meets Instafamous <https://www.jstor.org/stable/j.ctv2z9g054.8>
- Big Data in Biomedical Research <https://www.jstor.org/stable/j.ctv5vddsw.6>
- Data analytics in human resource management: benefits and challenges <https://www.jstor.org/stable/jj.14250136.8>



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ARTICLES in JSTOR (eLibraryUSA)

- Urban sustainability analytics: harnessing big data for smart city planning and design
<https://www.jstor.org/stable/26915289>
- Big data and intelligence: applications, human capital, and education
<https://www.jstor.org/stable/26466778>
- Privacy in the age of big data
<https://www.jstor.org/stable/43665655>
- Big data, data science, and analytics: the opportunity and challenge for IS research
<https://www.jstor.org/stable/24700304>
- The impact of increasing returns on knowledge and big data: from Adam Smith and Allyn Young to the age of machine learning and digital platforms
<https://www.jstor.org/stable/10.13169/prometheus.36.1.0010>
- Speaking sociologically with big data: symphonic social science and the future for big data research
<https://www.jstor.org/stable/26944619>

THESES and DISSERTATIONS in ProQuest (eLibraryUSA)

- Understanding the big data analytics deployment gap: operationally leveraging big data analytics capability for value generation in healthcare
<https://www.proquest.com/pqdtglobal1/dissertations-theses/understanding-big-data-analytics-deployment-gap/docview/2901810331/sem-2?accountid=172684>
- Exploring strategies to establish a big data integration and harmonization framework for national identity databases
<https://www.proquest.com/pqdtglobal1/dissertations-theses/exploring-strategies-establish-big-data/docview/2719418387/sem-2?accountid=172684>
- The impact of sustainable branding using big data and business analytics in the market research industry
<https://www.proquest.com/pqdtglobal1/dissertations-theses/impact-sustainable-branding-using-big-data/docview/3073245413/sem-2?accountid=172684>
- Exploring the strategies that need to be implemented at insurance organizations when establishing big data governance
<https://www.proquest.com/pqdtglobal1/dissertations-theses/exploring-strategies-that-need-be-implemented-at/docview/2860471678/sem-2?accountid=172684>



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- Strategic use of big data for customer experience and protection in U.S. financial institutions: a systematic review <https://www.proquest.com/pqdtglobal1/dissertations-theses/exploring-strategies-that-need-be-implemented-at/docview/2860471678/sem-2?accountid=172684>
- Context-aware query performance optimization for transportation in big data analytics <https://www.proquest.com/pqdtglobal1/dissertations-theses/context-aware-query-performance-optimization/docview/2928443953/sem-2?accountid=172684>
- Big data analytics in Portuguese SMEs: determinants of organizational readiness and intention to adopt <https://www.proquest.com/pqdtglobal1/dissertations-theses/big-data-analytics-portuguese-smes-determinants/docview/2890430871/sem-2?accountid=172684>
- The impact of big data analytics capabilities on decision making at the telecommunications sector in Jordan <https://www.proquest.com/pqdtglobal1/dissertations-theses/impact-big-data-analytics-capabilities-on/docview/2706183516/sem-2?accountid=172684>
- Improving the efficiency of medical malpractice attorneys in collecting, processing, and analyzing data via a software-assisted solution <https://www.proquest.com/pqdtglobal1/dissertations-theses/improving-efficiency-medical-malpractice/docview/2928497329/sem-2?accountid=172684>
- Exploring the impact of big data on data governance <https://www.proquest.com/pqdtglobal1/dissertations-theses/exploring-impact-big-data-on-governance/docview/3104983981/sem-2?accountid=172684>
- Strategic supply chain decision-making enabled by big data analytics <https://www.proquest.com/pqdtglobal1/dissertations-theses/strategic-supply-chain-decision-making-enabled/docview/3073248069/sem-2?accountid=172684>

Compiled by:

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