Survey on Big Data Analytics and its Applications

Volume 153 - Number 12
Year of Publication: 2016

Authors:
S. Sangeetha, S. Kannimuthu, P. D. Mahendhiran

Abstract

Big data are large set or collection of data which cannot be processed by traditional methods such as data processing. The main problems that big data faces are storing, capturing, transferring, data curing (organization and integration of data that are collected from various resources in order to improve the reusability of the data and preservation of the data for a long period of time), querying etc. Analyzing big data has its significance in the field of social networks, spot business trends, internet, medicine, science, finance, business informatics and even in government. Analyzing data would help in great decision making, which may result in improvement in efficiency, reduction in cost and failure risks. Big data analysis becomes a great thirst for the developing organizations since it becomes difficult for those organizations to process thousands of tera bytes of data. Big data analysis even find its application in understanding the reason for natural or man-made disasters by collecting big data in order to recover from the disaster and to develop the communication since communication is the main challenge that the people face while facing disasters.
References

2. Lee Garber, “Using In-Memory Analytics to Quickly Crunch Big Data”.
3. Sunil Mithas, University of Maryland, Maria R. Lee, Shih Chien University, Taiwan, Seth Earley, Earley & Associates, San Murugesan, BRITE Professional Services, Australia, Reza Djavanshir, Johns Hopkins University, “leveraging big data and business analytics”, Vol. No. pp
4. Junbo Wang, Member, IEEE, Yilang Wu, Student Member, IEEE, Neil Yen, Member, IEEE, Song, Guo, Senior Member, IEEE, and Zixue Cheng, Member, IEE: “Big Data Analytics for Emergency Communication Networks: A Survey”.
5. Omar El-Gayar, Dakota State University, USA, Prem Timsina, Dakota State University, USA, “Opportunities for Business Intelligence and Big Data Analytics In Evidence Based Medicine”.
8. https://www.google.co.in/search?q=data+mining&aq=f&oq=data+mining&aqs=chrome.0.5j0i2j0i5.11931&sourceid=chrome&ie=UTF-8.
9. Tsan-Ming Choi, Member, IEEE, Hing Kai Chan, Senior Member, IEEE, and Xiaohang Yue, “Recent Development in Big Data Analytics for Business Operations and Risk Management”, Vol.
14. Zakia Asad, Student Member, IEEE, and Mohammad Asad Rehman Chaudhry, Member, IEEE “A Two-Way Street: Green Big Data Processing for a Greener Smart Grid”
16. YUNCHUAN SUN1, (Member, IEEE), HOUBING SONG2, (Senior Member, IEEE), ANTONIO J. JARA3, (Member, IEEE), AND RONGFANG BIE4, (Member, IEEE), “Internet of Things and Big Data Analytics for Smart and Connected Communities”.
19. Y. Sun, H. Yan, C. Lu, R. Bie, and Z. Zhou, Constructing the Web of events from raw

Index Terms

Computer Science

Databases

Keywords

Data Mining, Big Data Analytics, Business Analytics