

# A Study on Big Data Analytics Tools

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**Abstract:** *In this digital era, the emerging trends and technologies such as Internet of things and cloud computing really deals with huge and huge volume of data [1]. [3]Big Data Analytics has been gaining much focus of attention lately as researchers from industry and academia are trying to effectively extract and employ all possible knowledge from the overwhelming amount of data generated and received. Study of these massive data requires many levels to extract knowledge for decision making. Big data refers to datasets that are not only big, but also high in variety and velocity, which makes them difficult to handle using traditional tools and techniques [2]. Such huge data has to be studied and handled to extract knowledge from these datasets. Hence Big Data analysis is a current research area that mainly explore the potential impact of big data challenges, various tools used for big data analysis. This article deals with big data at numerous levels and opens a new horizon for researchers.*

**Keywords:** Big Data, Data Mining, Analytics, Decision Making

## REFERENCES

- [1]. What is Big Data? Introduction, Types, Characteristics, Examples (guru99.com)
- [2]. Big Data Characteristics - JavaTpoint
- [3]. D. P. Acharjy&Kausar Ahmed P, "A Survey on Big Data Analytics: Challenges, Open Research Issues and Tools," (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 7, No. 2, 2016".
- [4]. R.S. Karthiga, Senthil Kumar Janahan, U.V. Anbazhagu, "Research on Various Tools in Big Data", "International Journal of Innovative Technology and Exploring Engineering (IJITEE)", Volume-8, Issue- 6S4, April 2019.
- [5]. Mrs. Mereena Thomas, " A Review paper on BIG Data", in "International Research Journal of Engineering and Technology (IRJET), Volume: 02 Issue: 09 | Dec-2015.
- [6]. Nada Elgendy and Ahmed Elragal, " Big Data Analytics: A Literature Review Paper", in in Lecture Notes in Computer Science ·21 September 2014.
- [7]. K Sharmila, SA Vethamanickam, " Survey on data mining algorithm and its application in healthcare sector using Hadoop platform" - International Journal of Emerging Technology and 2015
- [8]. Lekha R. Nair&Sujala D. Shetty, Ph.D., " Research in Big Data and Analytics: An Overview", in International Journal of Computer Applications (0975 – 8887) Volume 108 – No 14, December 2014.
- [9]. Tsai, CW., Lai, CF., Chao, HC. *et al.* Big data analytics: a survey. *Journal of Big Data* 2, 21 (2015). <https://doi.org/10.1186/s40537-015-0030-3>
- [10]. K.Yogeswara Rao 1 , S.Adinarayana, " A Study on Tools of Big Data Analytics", in "International Journal of Innovative Research in Computer and Communication Engineering", Vol. 4, Issue 10, October 2016.