Abstract

Big Data is a new term used to identify the datasets that due to their large size and complexity, we cannot manage them with our current methodologies or data mining software tools. Big Data mining is the capability of extracting useful information from these large datasets or streams of data, that due to its volume, variability, and velocity, it was not possible before to do it. The Big Data challenge is becoming one of the most exciting opportunities for the next years.

We present in this issue, a broad overview of the topic, its current status, controversy, and forecast to the future. We introduce four articles, written by influential scientists in the field, covering the most interesting and state-of-the-art topics on Big Data mining.

References


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com/sites/gilpress/2013/05/09/a-very-short-history-of-big-data/[ Accessed 13th March 2014]
- M. Peters, J. Buffington, and M. Keane, &apos;Cloud Storage: the next Frontier for tape', White paper of Enterprise Strategy Group, 2013
- J. K. Pal, &quot;Usefulness and applications of data mining in extracting information from different perspective&quot;, Annals of Library and Information Studies, Vol. 58, pp. 7-16, 2011
- J. Lin. MapReduce is Good Enough? If All You Have is a Hammer, Throw Away Everything That's Not a Nail. CoRR, abs/1209.2191, 2012
- D. Laney. 3-D Data Management: Controlling Data Volume, Velocity and Variety. META Group Research Note, February 6, 2001
- UN Global Pulse, http://www. unglobalpulse. org
- Storm, http://storm-project. net.
- A. Bifet, G. Holmes, R. Kirkby, and B. Pfahringer. MOA: Massive Online Analysis
Educational Big Data Mining Approach in Cloud: Reviewing the Trend

- http://persistenceplussnetwork.com/
- G. Fox, Big Data in the Cloud: Research and Education, PPAM, 2013
- http://aws.amazon.com/education/
- B. Efron. Large-Scale Inference: Empirical Bayes Methods for Estimation, Testing, and
Educational BigData Mining Approach in Cloud: Reviewing the Trend


- Y. Dandawate, "Big Data: Challenge and Opportunities", Business Innovations through technology, vol. 11, No. 1, 2013

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