

**Latest trends links is provided below:**

- ★ <https://www.datamation.com/big-data/big-data-trends.html>
- ★ <http://www.dataversity.net/big-data-trends-2018/>

**Introduction to Big Data:**

'Big Data' is also a data but with a huge size. 'Big Data' is a term used to describe collection of data that is huge in size and yet growing exponentially with time. In short, such a data is so large and complex that none of the traditional data management tools are able to store it or process it efficiently.

The Three *Vs* of Big Data:

***1) Volume***

The amount of data matters. With big data, you'll have to process high volume of low-density, unstructured data. This can be data of unknown value, such as Twitter data feeds, clickstreams on a webpage or a mobile app, or sensor-enabled equipment. For some organizations, this might be tens of terabytes of data. For others, it may be hundreds of petabytes.

***2) Velocity***

Velocity is the fast rate at which data is received and (perhaps) acted on. Normally, the highest velocity of data streams directly into memory versus being written to disk. Some internet-enabled smart products operate in real time or near real time and will require real-time evaluation and action.

***3) Variety***

Variety refers to the many types of data that are available. Traditional data types were structured and fit neatly in a relational database. With the rise of big data, data comes in new unstructured data types. Unstructured and semistructured data types, such as text, audio, and video require additional preprocessing to derive meaning and support metadata.

**Future of big data:**

The Future of Big Data. Big data refers to data sets that are too large and complex for traditional data processing and management applications. It has also become the catch-all term for gathering, analyzing, and using massive amounts of digital information to improve business operations.

**Some books related to big data:**

- ★ THE HUMAN FACE OF BIG DATA- Rick Smolan, Jennifer Erwit
- ★ Big Data: A Revolution That Will Transform How We Live, Work and Think -Viktor Mayer
- ★ BIG DATA FOR DUMMIES- Judith Hurwitz, Alan, Fern Halper, Marcia Kaufman

- ★ HADOOP BEGINNER'S GUIDE- Garry Turkington

### **E-Books Links:**

- ★ <https://bigdata-madesimple.com/download-12-free-ebooks-on-big-data/>
- ★ <https://www.simplilearn.com/resources/big-data-and-analytics/ebooks>
- ★ [https://www.kdnuggets.com/2016/08/simplilearn-5-free-ebooks-data-science-big-d  
ata.html](https://www.kdnuggets.com/2016/08/simplilearn-5-free-ebooks-data-science-big-data.html)
- ★ and many more...

### **Big Data Documentations:**

- ★ [Oracle-https://www.oracle.com/technetwork/database/bigdata-appliance/documen  
tation/index.html](https://www.oracle.com/technetwork/database/bigdata-appliance/documentation/index.html)
- ★ <https://media.readthedocs.org/pdf/big-data-class/latest/big-data-class.pdf>

### **Big data online courses:**

- ★ Coursera - <https://www.coursera.org/specializations/big-data>
- ★ edx - <https://www.edx.org/learn/big-data>
- ★ Udacity - <https://in.udacity.com/course/intro-to-machine-learning--ud120-india>
- ★ Lynda - <https://www.lynda.com/Big-Data-training-tutorials/2061-0.html>
- ★ Cognitive Science - <https://cognitiveclass.ai/learn/data-science/>
- ★ Dataquest - <https://www.dataquest.io/home>
- ★ Reference :  
[https://www.forbes.com/sites/bernardmarr/2017/06/06/the-9-best-free-online-b  
ig-data-and-data-science-courses/#541028ff43cd](https://www.forbes.com/sites/bernardmarr/2017/06/06/the-9-best-free-online-big-data-and-data-science-courses/#541028ff43cd)

### **Competitions platforms for big data:**

- ★ <http://www.texata.com/>
- ★ <https://www.kaggle.com/>
- ★ <https://www.drivendata.org/>
- ★ <https://www.analyticsvidhya.com/blog/tag/data-science-competitions/>
- ★ <https://www.topcoder.com/community/data-science/>
- ★ and many more to explore...

### **Upcoming events in big data:**

- ★ Big Data Workshop -  
[https://www.townscript.com/e/big-data-workshop-442102?prS=listing&seS=topicpa  
ge](https://www.townscript.com/e/big-data-workshop-442102?prS=listing&seS=topicpage)
- ★ Webinar / Seminar on Data Science - Predictive Analytics using Decision Tree -  
<https://www.townscript.com/e/webinar-seminar-on-data-science-predictive-analyti>

[cs-using-decision-tree-312441?prS=listing&seS=topicpage](https://www.townscript.com/e/diwali-fiesta-2018-at-world-trade-center-cuffe-parade-123340?prS=listing&seS=topicpage)

- ★ Diwali Fiesta Exhibition 2018 at World Trade Center - Cuffe Parade -

<https://www.townscript.com/e/diwali-fiesta-2018-at-world-trade-center-cuffe-parade-123340?prS=listing&seS=topicpage>

- ★ Gartner Data & Analytics Summit -

<https://www.gartner.com/en/conferences/na/data-analytics-us>

- ★ Strata Data Conference - <https://conferences.oreilly.com/strata>

- ★ TDWI and TDWI Leadership Summit -

<https://tdwi.org/events/conferences/orlando.aspx>

- ★ KDD 2018 - <http://www.kdd.org/kdd2018/>

- ★ Events list - <https://www.churchillfrank.com/blog/big-data-events-2018/>