



### III. CHARACTERISTICS

Big data can be described by the following characteristics.

**Volume** – Big data involve excessive quantity of data. It is the amount of the data which resolve the value and probable of the data under consideration. Data is develop by machines, grid and human communication on systems like social media the volume of data to be analyzed is massive.

**Variety** – The next aspect of big data is its variety. Variety refers to the many sources and types of data structured and unstructured. We used to store data from sources like spreadsheets and datasets. This benefits the community, who is firmly analyzing the data and is associated with it, to effectively use the data to their advantage and thus upholding the importance of the big data.

**Velocity** – The term velocity in the context refers to the speed of generation of data or how fast the data is generated and processed to meet the demands and the challenges which lie ahead in the path of growth and development.

**Variability** – This is a factor which can be a problem for those who analysis the data. This refers to the inconsistency which can be shown by the data at times, thus hampering the process of being able to handle and manage the data effectively.

**Veracity** – The quality of the data being captured can vary greatly. Accuracy of analysis depends on the veracity of the source data.

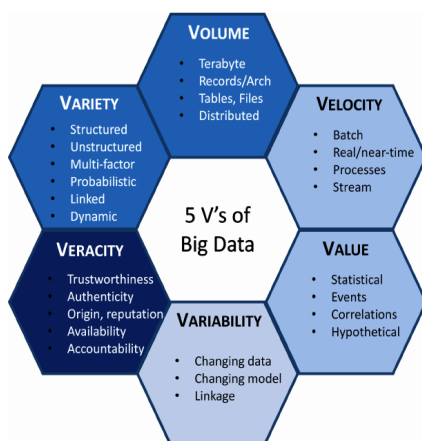


Figure 2: 5 V's of Big Data

### IV. APPLICATIONS

Healthcare is one of the best developments in the world. Big data in healthcare entail to electronic health data sets that are describe with patient healthcare and prosperity. Data in the healthcare area is developing past managing limit of the

healthcare associations and is relied upon to increment fundamentally in the coming years.

Big data has increased the demand of information management specialists in that Software AG, Oracle Corporation, IBM, Microsoft, SAP, EMC, HP and Dell have spent more than \$ 15 billion on software firms specializing in data management and analytics.

Developed economics make increasing use of data-intensive technologies.

While many vendors offer off-the-shelf solutions for big data, experts recommend the development of in-house solutions custom-tailored to solve the company's problem at hand if the company has sufficient technical capabilities.

### CONCLUSIONS

In this paper, we have conferred the conception of big data. Big data is the huge and complicated datasets and it is achieve from different origins like social media comments, playing a video game, email attachments etc. The opportunity of big data, low cost product hardware, and new intelligence management and analytic software has composed a particular moment in the history of data analysis. The convergence of these trends means that we have the capabilities required to analyze astonishing data sets quickly and cost-effectively for the first time in history. The age of big data is here, and these truly revolutionary times if both business and technology professionals continue to work together and deliver on the promise.

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