

# *PRESENTATION ON BIG DATA*

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# SUMMARY OF TOPICS

- Introduction
- What is Big Data
- Characteristics
- Why Big Data
- Applications
- Risks
- Benefits
- Future of Big Data
- conclusion
- References

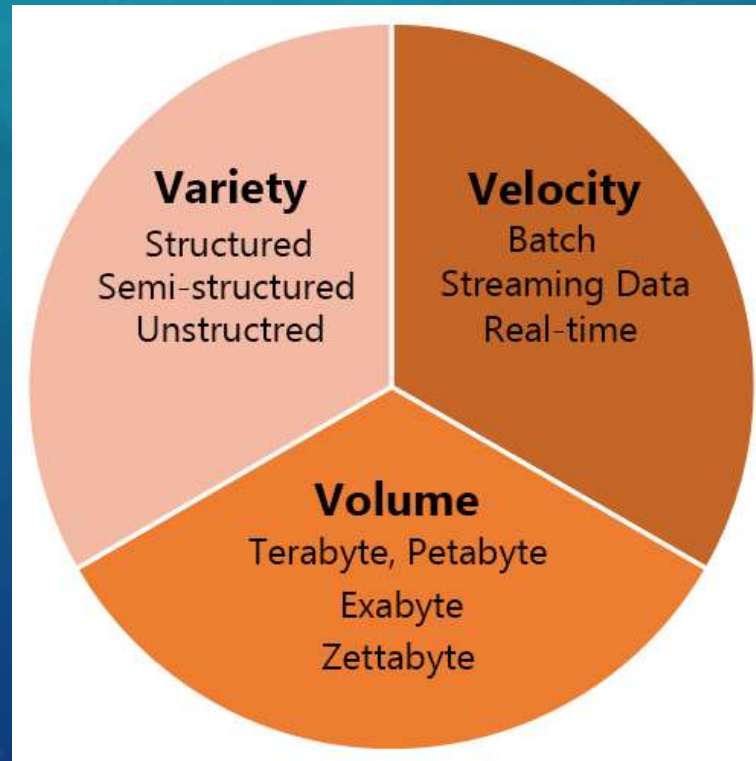






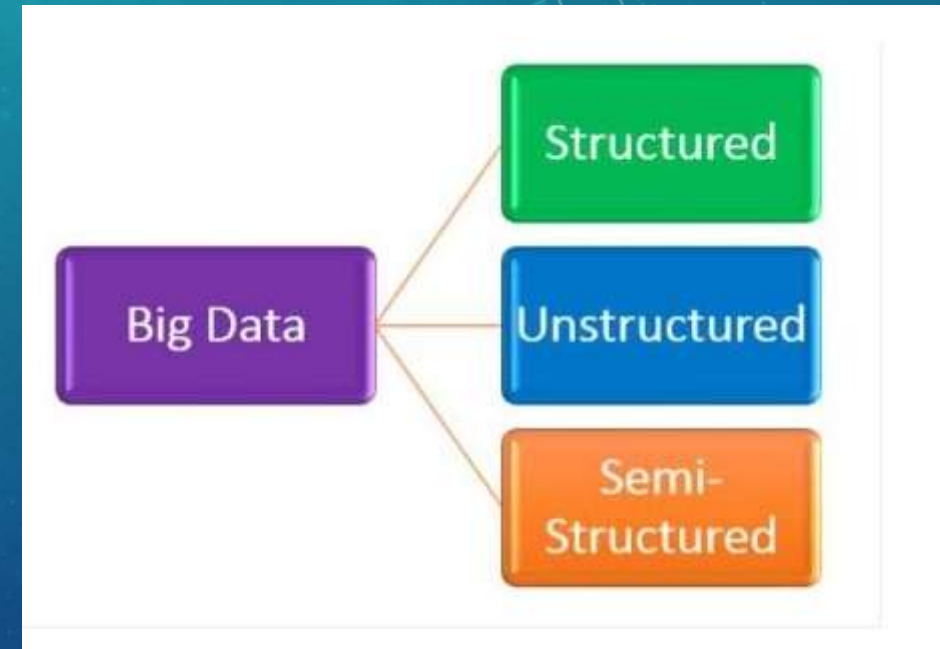
# Characteristics

There are three characteristics of Big Data i.e V3's : Big data analytics can be a difficult concept to grasp onto, especially with the vast varieties and amounts of data today. To make sense of the concept, experts broken it down into 3 simple segments. These three segments are the three big V's of data: variety, velocity, and volume.



# Variety

- **Structured** : Any data that can be stored, accessed and processed in the form of fixed format is termed as a 'structured' data.
- **Unstructured** : Any data with unknown form or the structure is classified as unstructured data.
- **Semi-structured** : Semi-structured data can contain both the forms of data.





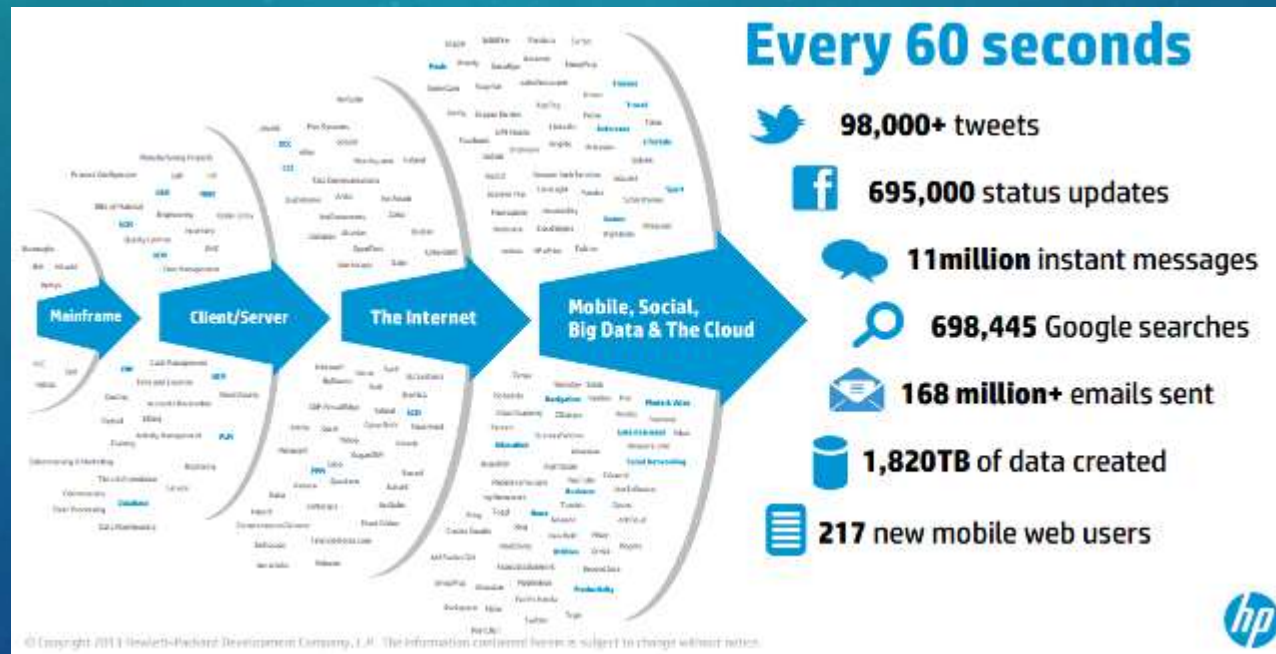
# Velocity

Initially, the acceleration of big data has to lead to more opportunities. There's a lot of data at hand, and once we have access to this data, you can use it to discover new realities.



# Volume

The world has a lot of data behind it, possibly at an incomprehensible amount. With over 90% of today's data being generated in the past 2 years, that estimates to 2.5 quintillion data bytes daily.

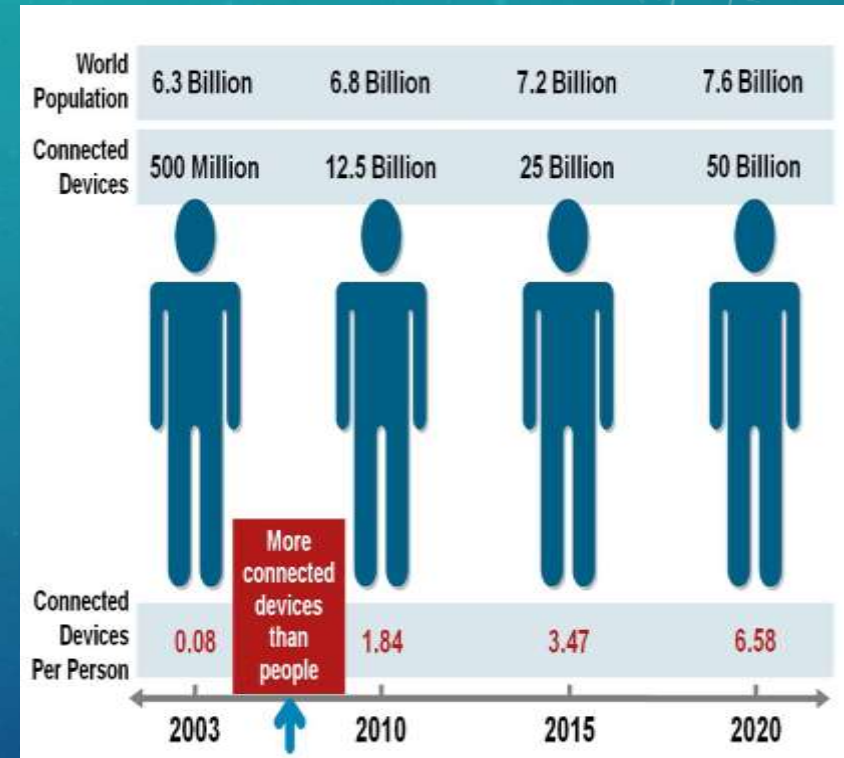




# Why Big Data

## ❖ Growth of Big Data is needed

- Increase of storage capacities
- Increase of processing power
- Availability of data (different data types)



– Every day we create 2.5 quintillion bytes of data; 90% of the data in the world today has been created in the last two years alone

# Applications

Smarter  
Healthcare



Multi-channel  
sales



Homeland  
Security



Telecom



Traffic Control



Trading  
Analytics



Manufacturing



Search  
Quality



# Risks

- Will be so overwhelmed
  - Need the right people and solve the right problems
- Costs escalate too fast
  - Isn't necessary to capture 100%
- Many sources of big data is privacy
  - self-regulation
  - Legal regulation



# Benefits

- Better decision making
- Greater innovations
- Improvement in education sector
- Product price optimization
- Recommendation engines
- Life-Saving application in the healthcare industry



# Future of Big Data

- Increasing demand for Data Analytics.
- Increasing enterprise adoption of Big Data
  - Flexible career options
  - Promises exponential salary growth
  - The Volume of Data Generated will Continue to Increase



# References

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Any queries





THANK  
YOU