

Introduction to Big Data Analytics and Data Science







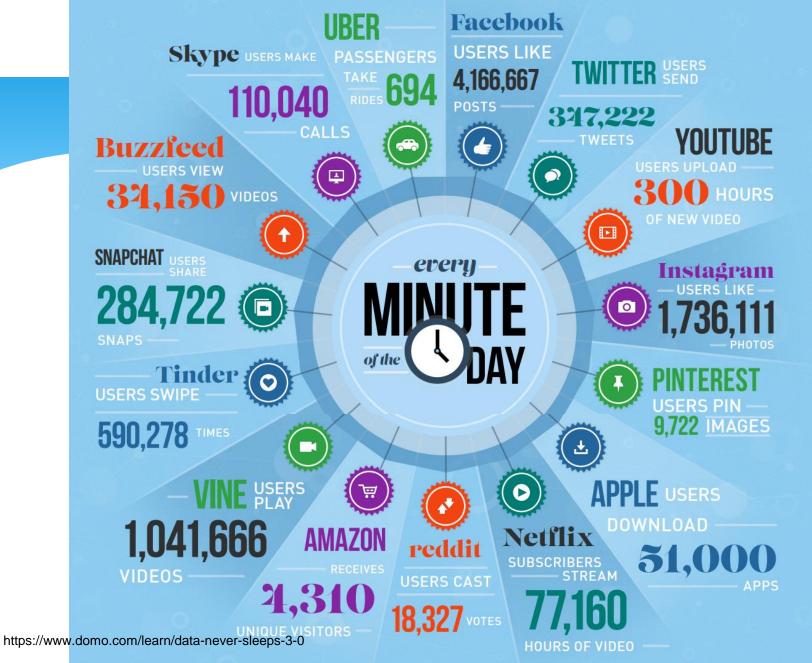
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วิทยาลัยศิลปะสื่อและเทคโนโลยีมหาวิทยาลัยเชียงใหม่

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Cheow Lan Lake, Thailand

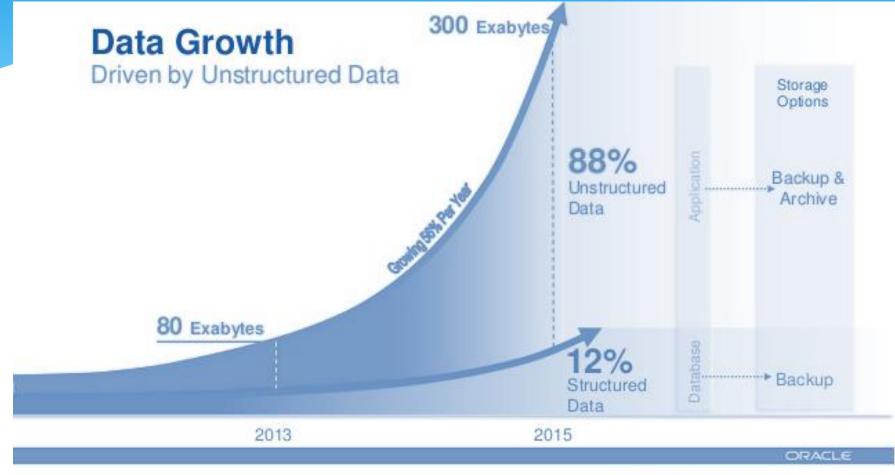


Internet of Things



http://topmanagement.com.mx/innovacion-social-y-empresarial-objetivo-de-hitachi/

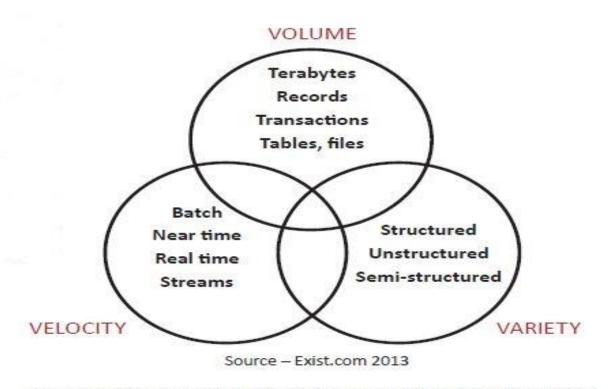
The Growth of Data



* Source: ESG Digital Archive Market Forecest



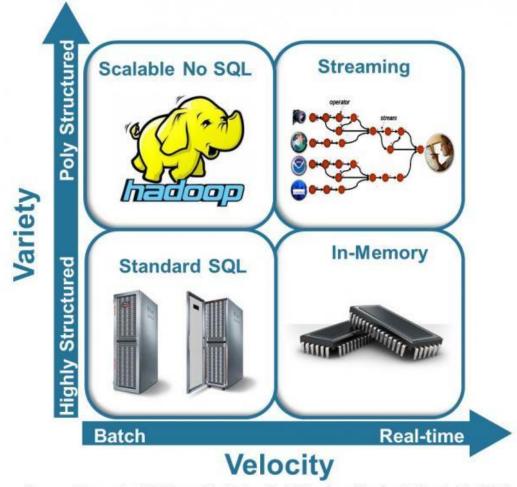
What is Big Data?



The proverbial 3 V's of big data: volume, velocity and variety and what constitutes each classification for the finance sector.

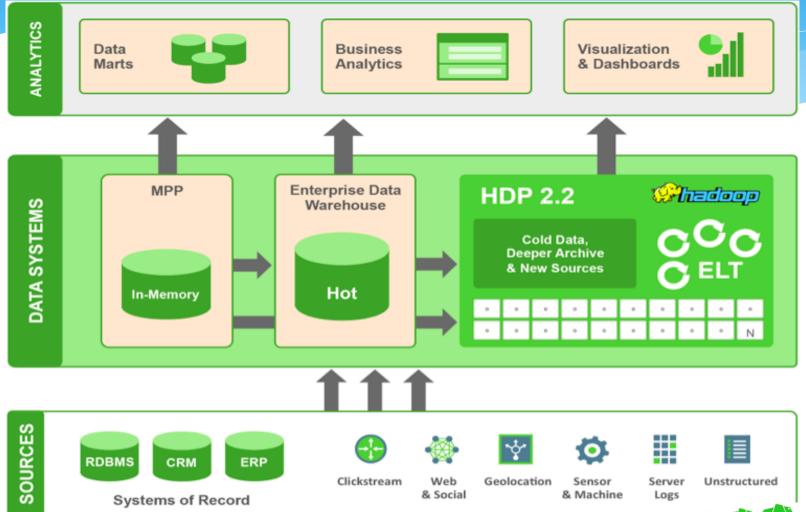


The Emergence of Big Data Tools

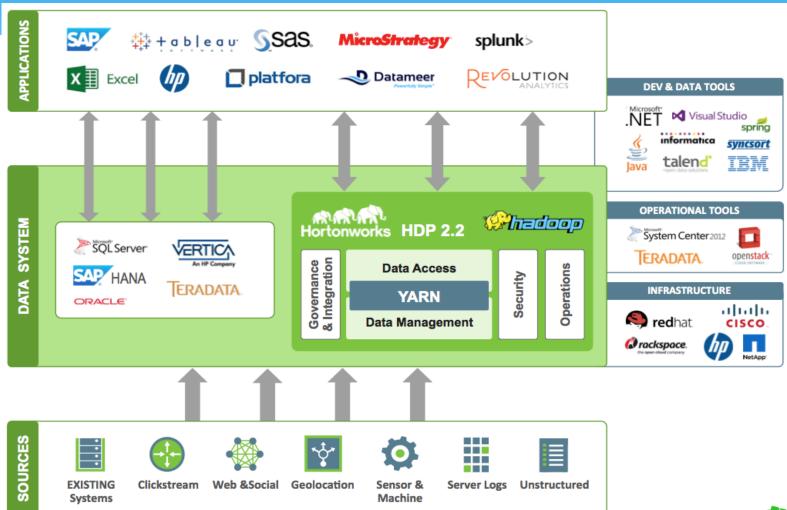


Source: Forrester Webinar: Big Data: Gold Rush or Illusion?, Sept 19, 2013

Traditional Data Management Architecture



New Data Management Architecture



Data Lake

Forget data warehousing, it's 'data lakes' now

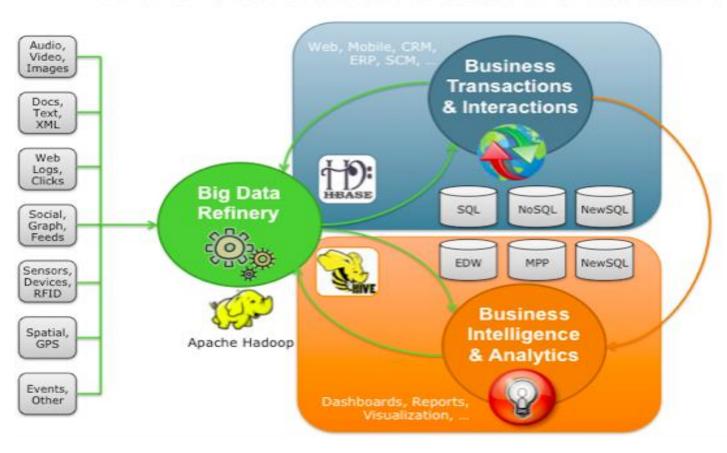
Digital News Asia Mar 31, 2015

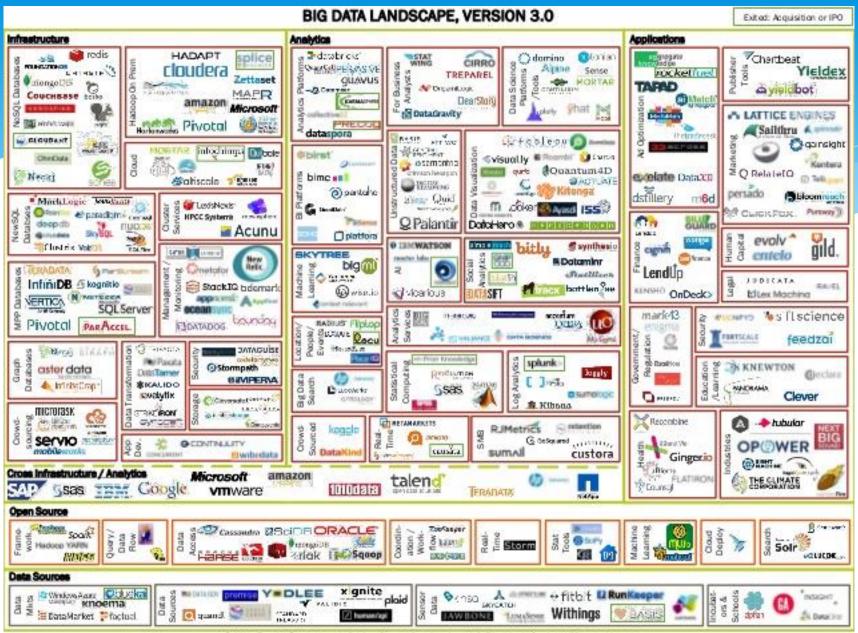
- Data Lakes becoming corporate priority because they fill a critical gap
- Federation Business Data Lake simplifies complex task of building a data lake: EMC

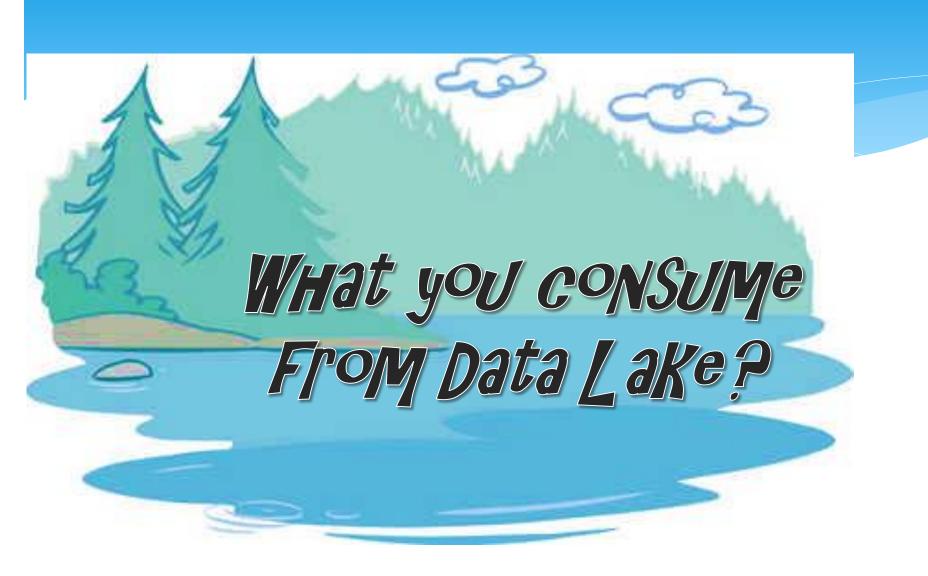


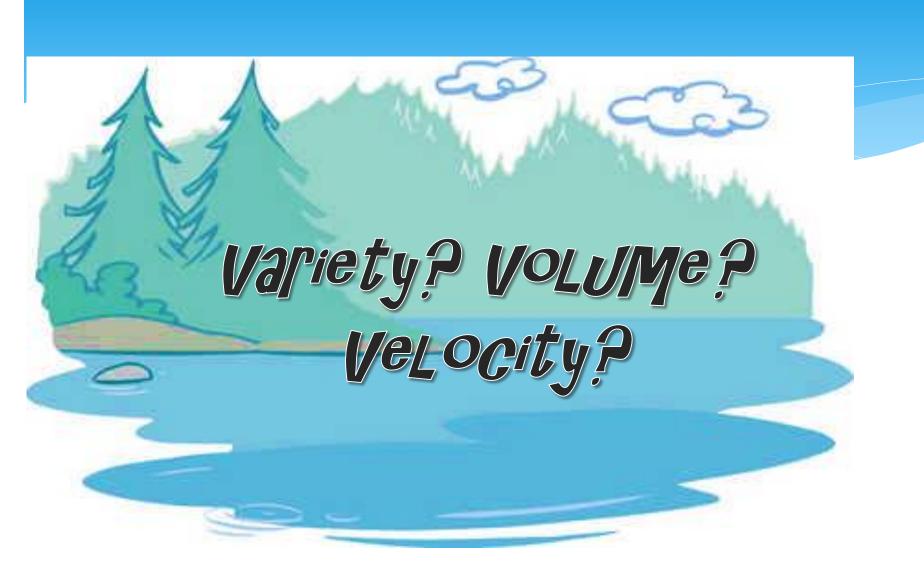
Big Data Analytics

Next-Generation Data Architecture







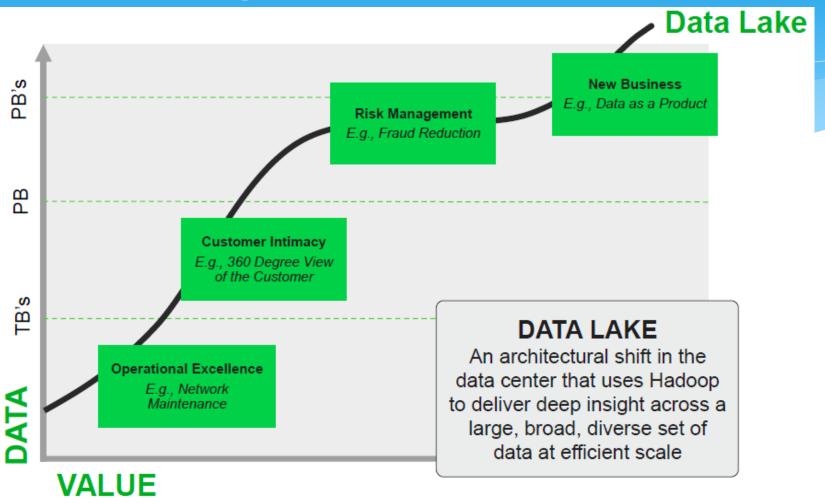




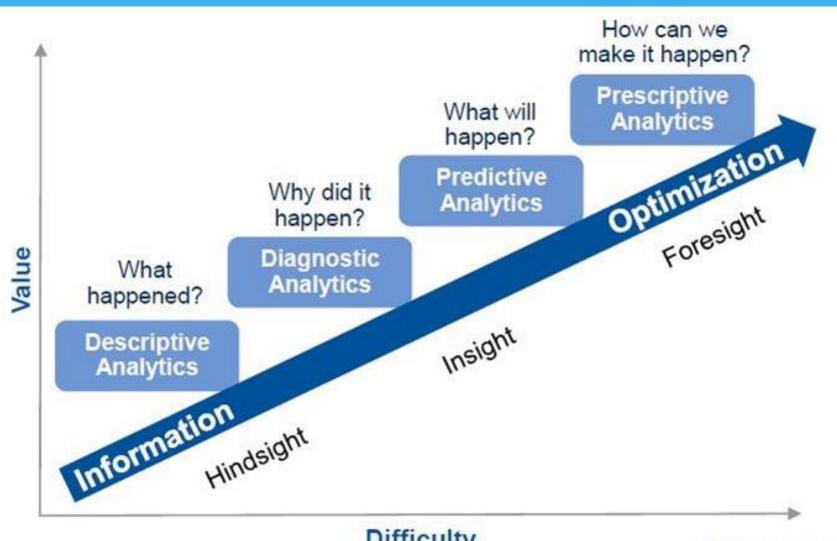


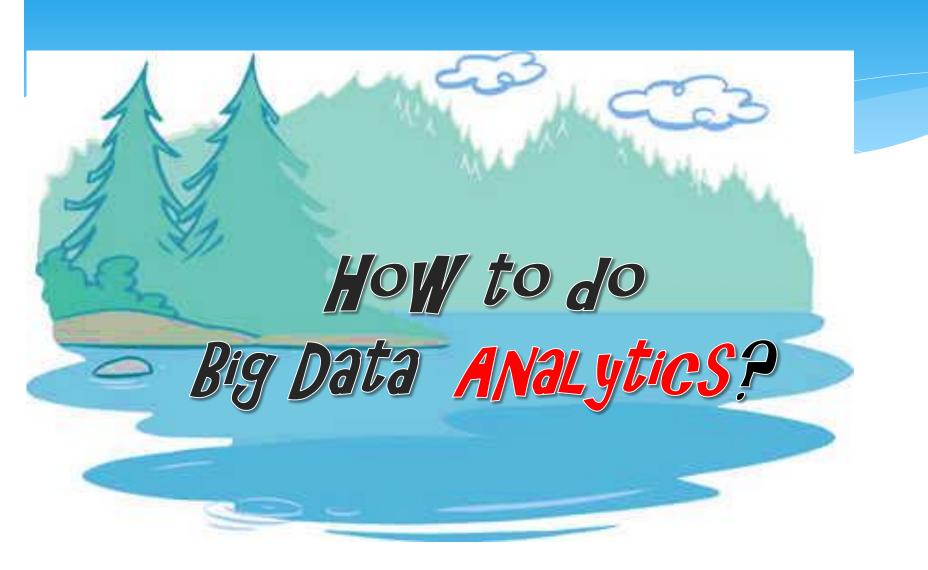


Big Data Analytics

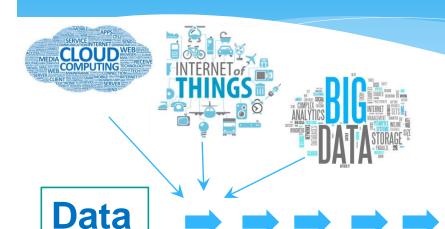


Big Data Analytics





The Roles of Data Science



New Analytic Insights (Information, knowledge, data story)

Data Product

+ Visualization



Mass Analytic Tools

Machine Learning

Recommender systems

Complex Event Processing







DatascienceTh.com

Doing Data Science by O'Neil et al (2013)
Picture:http://www.clipartpanda.com/categories/scientist-clip-art





Workshop

Data Visualization

Workshop

What would be good data Visualization designer?