Value of Data

Presented by
Sadik Noman

Introducing Myself

Sadik Noman

- 12 years of diverse IT experience in high-tech R&D, Smartphone, consumer electronics, telecommunication and O&G industries
- Worked for top ranked Fortune 500 companies like Chevron and Samsung
- Worked in several million dollar projects with World Bank and PricewaterhouseCoopers in other ICT based organization
- Bachelor's degree in Computer Science & Engineering from BUET, ranked 1 engineering university of
  Bangladesh and MBA degree from North South University, one of the top ranked business schools
- Got trained in USA, South Korea, Singapore, Philippines and Thailand. Attended 30+ international and local training courses, workshops and conferences.
- Skill set spread across strategic planning, project management, IT applications, software development life cycle, Patents, technology innovation, information management, data governance, cyber security and IT compliance
- Obtained 2 US patents. Delivered 30+ projects (most of them are million dollar projects

Data, Information, Knowledge

Data

Unorganized and unprocessed facts; static; a set of discrete facts about events

Information

Data presented in a form suitable for interpretation. Information embodies the understanding of a relationship of some sort, possibly cause and effect.

Data is converted into information by programs and queries. Data may be stored in files or in databases. Processed data is information.

Knowledge

Knowledge is derived from information in the same way information is derived from data; it is a person's range of information
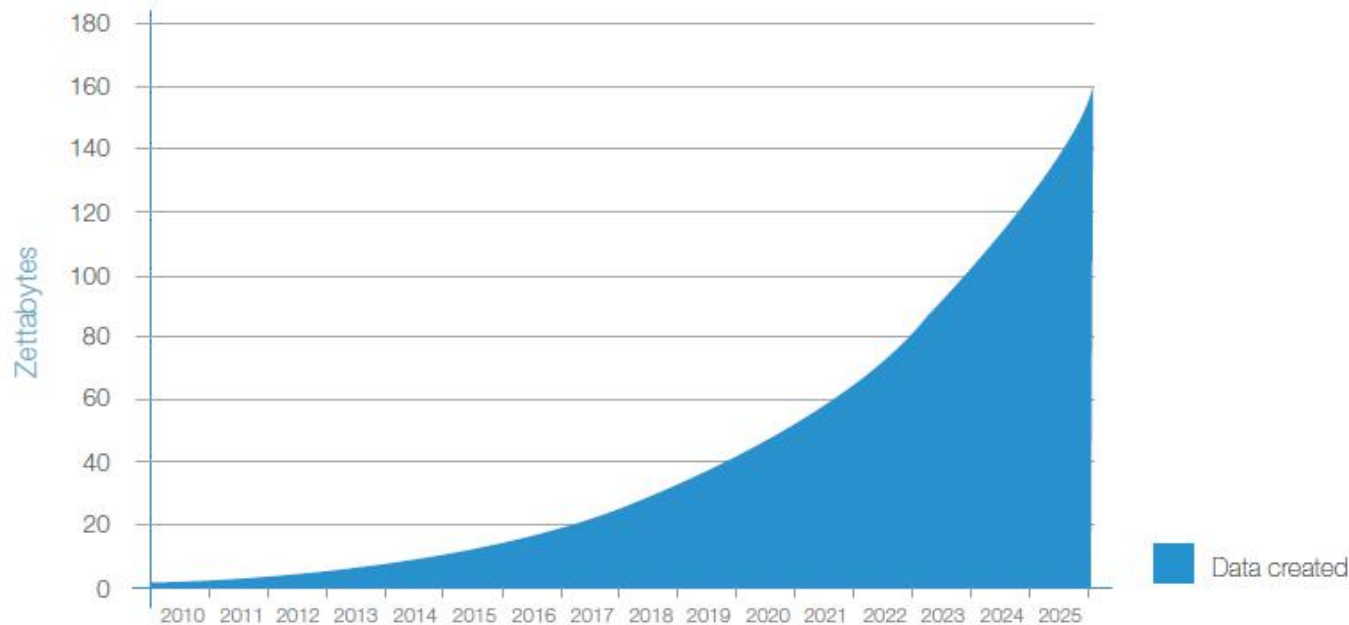
Examples

85, 92

Scores for team1 and team 2, respectively in a quiz are 85 and 9 2

Team 2 won

Exponential Growth of Data

- The world will be creating 163 zettabytes (one trillion gigabytes)of data a year by 2025

- New IDC Digital Universe study, "Extracting Value from Chaos" 1 (sponsored by EMC) finds world's data is doubling every two

Source: IDC's Data Age 2025 study, sponsored by Seagate, April 2017

Source: Data Age 2015 (IDC)

Challenges and key initiatives

Challenges

- Storage
- IT infrastructure
- Cost
- Data movement and management complexity
- Security
- Skillet

Key initiatives

- Cloud transitions (66%)
- Internet of things (32%)
- Big Data/cognitive solutions (27%)

Source: IDC survey

Facts

Business isn't complicated. The complications arise when people are cut off from information they need.
John F. Welch, CEO of GE

A McKinsey report found that "employees spend 1.8 hours every day—9.3 hours per week, on average—searching and gathering information. Put another way, businesses hire 5 employees but only 4 show up to work; the fifth is off searching for answers, but not contributing any value."
Source: Time Searching for Information

IDC data shows that "the knowledge worker spends about 2.5 hours per day, or roughly 30% of the workday, searching for information…. 60% [of company executives] felt that time constraints and lack of understanding of how to find information were preventing their employees from finding the information they needed."
Source:Information: The Lifeblood of the Enterprise.

Good Data Management and Benefits

Good Data Management

- Know your high value data
- Build your data management system
- Establish processes, policies and governance
- Develop your data quality strategy, metrics and score card
- Data reporting and visualization
- Take your decisions

Benefits

- Saves time
- Increase your productivity
- Quality decisions
- More revenues, more profits
- Grow business

Data Enablers

Accessibility
To multiple (unlimited) data sources
+
Transparency
For common version of the truth
+
Consistency
To strengthen data quality and data integrity
+
Safeguard
To secure data for confidentiality
on a need to know basis
+
Ease of Use
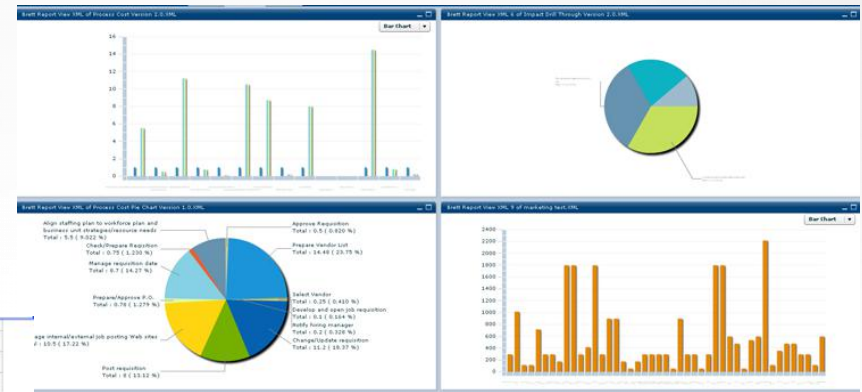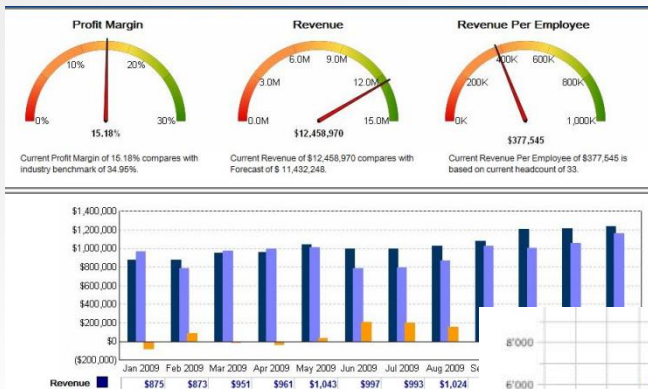Transition is intuitive and familiar

Business Intelligence
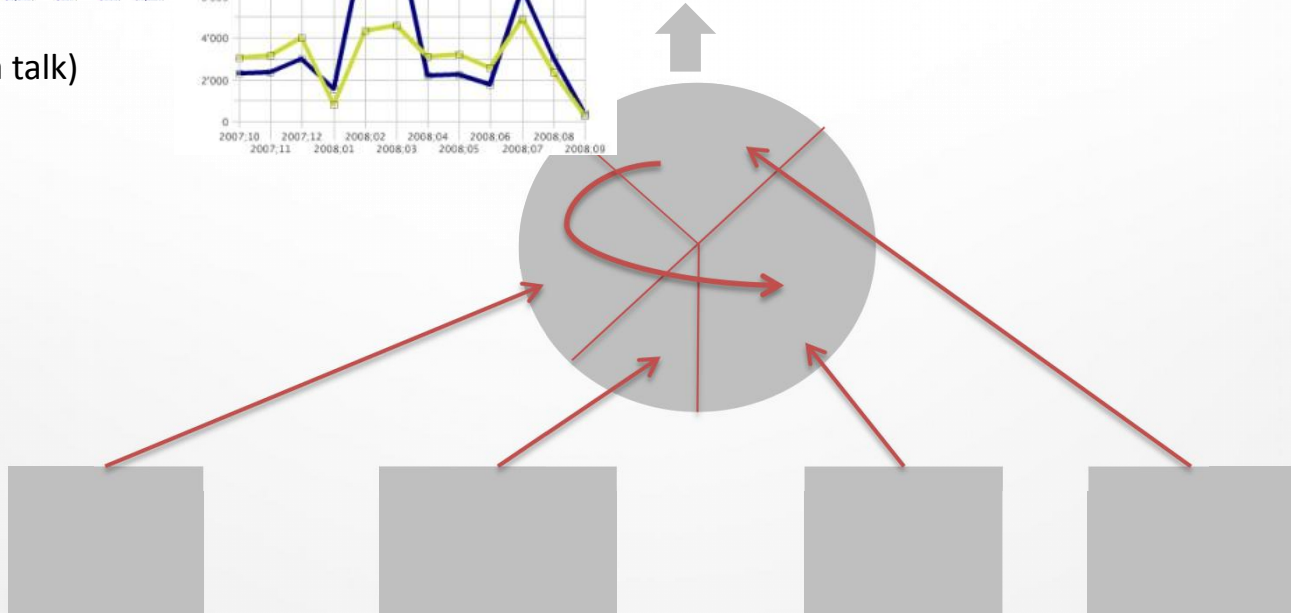
Lots of Data → Processing and aggregation → Data visualization

Reports (Let your data talk)

Data repository/ SoRs

Different systems

Value of Data

- Turn your data into assets

- Establish a data driven culture

- Take quality decisions from quality data

- Ensure right information is available to the right person at the right moment to take right decision

- Let your data talk on behalf of you.

Thank You!!!

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