STATSBDA BULLET
Volume 2

STATSBDA
BIG DATA ANALYTICS

BIG DATA: A BRIEF HISTORY

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**BIG DATA :
A BRIEF HISTORY**

**STATSBDA MODULES IN
DOSM BIG DATA**

THE IMPORTANCE OF BIG DATA

- REDUCE COST
- OUT DO COMPETITION
- BETTER DECISION MAKING
- IMPROVE PRODUCT & SERVICE

The earliest records of using data to track and control businesses dated back from 7,000 years ago when accounting was introduced in Mesopotamia in order to record the growth of crops and herds.

Year	Event
1663	John Graunt recorded and examined all information about mortality roles in London.
1887	Herman Hollerith invented a computing machine that could read holes punched into paper cards in order to organize census data.
1937	The first major data project is created and was ordered by the Franklin D. Roosevelt's administration in the USA.
1943	The first data-processing machine appeared and was developed by the British named Colossus. searched for patterns in intercepted messages at a rate of 5.000 characters per second.
1952	The National Security Agency (NSA) is created and within 10 years contract more than 12.000 cryptologists.
1965	The U.S Government build the first data centre to store 742 million tax returns and 175 million sets of fingerprints by transferring all records onto magnetic computer tape to be stored in single location.
1989	British computer scientist Tim Berners-Lee invented eventually the World Wide Web. In the '90s the creation of data is spurred as more and more devices are connected to the internet.
2005	Roger Mougalas from O'Reilly Media coined the term Big Data for the first time, only a year after they created the term Web 2.0. The Hadoop was created by Yahoo! built on top of Google's MapReduce.
2009	In 2009, the Indian government decides to take an iris scan, fingerprint and photograph of all of this 1.2 billion inhabitants. All this data is stored in the largest biometric database in the world.
2010	Eric Schmidt states that "there were 5 Exabyte's of information created by the entire world between the dawn of civilization and 2003. Now that same amount is created every two days."
2011	The McKinsey report the next frontier for innovation, competition, and productivity in 2018 the USA alone will face a shortage of 140.000 – 190.000 data scientist and 1.5 million data managers.

In the past few years, there has been a massive increase in Big Data startups, all trying to deal with Big Data and helping organizations to understand Big Data and more and more companies are slowly adopting and moving towards Big Data.

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TEC

Integration of MSBR with trade database - to identify the enterprises that are engaged in international markets and what are their characteristics.

PI

The modernization of data collection mainly consists of the adoption of web scraping techniques to scrape price data from related website for CPI compilation and improving the quality of the data.

RTBS

Integrate data from companies Commission of Malaysia(CCM) to DOSM environment to enable the organization to have direct access of information of the business entities.

PMOAS & RTOS

The analysis and assessment of the degree of "happiness" of Malaysia community towards to official statistics published by DOSM through online social media.

Bizcode@Stats

BizCode@Stats is Mobile application development for statistical code and classifications allow users to access the application via handheld devices.

NSOs WITH BIG DATA PROJECT

Ghana, Canada, Belgium, Colombia, Bangladesh, Albania, Singapore, Switzerland, WesternBalkans, Romania, Australia, SouthAfrica, Vietnam, Netherlands, Sweden, Belarus, Denmark, Zambia, Slovenia, Ireland, Japan, India, Haiti, Uganda, Austria, Germany, CzechRepublic, Norway, Italy, Jamaica, Europe, China, Brazil, SriLanka, Pakistan, Nigeria, Spain, Chile, Cameroon, Ecuador, Finland, CotedIvoire, Mongolia, Congo, Mexico, Guatemala, Tunisia, UnitedRepublicofTanzania, Kenya, Mozambique, Indonesia, Poland, LatinAmerica, Luxembourg, Morocco, UnitedStates, UnitedKingdom, Israel, KoreaRepublic, Philippines, Turkey