



BDE: Big Data Analytics Essentials – Mastering Big Data in your Business

Overview: Approach big data analytics with confidence by mastering the core skills needed to put data to work for your business. This course covers the basics of big data technology, managing and accessing big data, analytics, and business intelligence. Big Data Analytics expert explains the importance of Big Data and organize your data so you can deliver results that your organization can leverage. The course starts by examining the modern data ecosystem and how it relates to running a smart and efficient data hub. Then, participants will learn how to perform the principle tasks involved in managing, loading, extracting, and transforming data. The instructor also takes you through basic data exploration and analysis process to extract the insight from your data. He, then, shows you how visual analytics helps you translate data into a visible from that highlights important features, including commonalities and anomalies, he provides actionable recommendations that applicable to data experts throughout an organization—analysts, engineers, scientists, modelers, and more.

Who Should Attend: Anyone who needs to use data analysis in their job role, including strategists, programmer/ project managers, business analysts, business process managers, etc.

Duration: 2 days (13 hours), 09:00 – 16:30

Training Date: See Training Schedule on www.knowledgertraining.com

Venue: TOT Academy 174 Ngam Wong Wan Rd., Soi 17 Muang Nonthaburi

Method: Lecture and Workshop

Language: Thai

Instructors: Dr. Sittapong Settapat

Registration: Download Registration Form and send to info@knowledgertraining.com

Course Outline: **Big Data Analytics Essentials – Mastering Big Data in your Business**

Day 1

Section One

Big Data - It's Not Just Size that Matters

- A Definition of What is Big Data
- Identify who uses Big Data
- Describe the importance of Big Data
- Big Data Analytics in Business Today

BDE v1

- Come up with a Data Map to Analyse the Big data in your Business
- Establish Clear Objectives of Big Data Analytics

Section Two

Big Data - How to Collect It and Where to Store it

- Recognise and Apply various data collection method
- Identify and resolve
- Problems associated with data collection
- Consider the various types of data storage
- Examine the difference between data warehouse and data lakes
- Determine when to use data blending in your analysis

Section Three

Big Data Technologies and Tools (Technical Hands-on)

- Make connection with relational databases
- Make connection with Hive
- Make connection with NoSQL
- Get data into Big Data
- Access your data
- Processing your data (ETL/ELT)

Section Four

Dealing with Big Data

- Keep things simple with structured data
- Share semistructured data
- Collect unstructured data
- Basic SQL for Data Exploration
- Big Data, Data Science, and Data Mining

Day 2

Section Five

What is Data Science?

- Define a multidisciplinary practice with multiple meanings
- Use statistics and software
- Uncover insights and create knowledge

Section Six

Using Business Intelligence Tools

- An Overview of BI tools
- Tableau demonstration

- Discuss the concept of visualization analytics
- Learn how to use Infographics
- Build a business dashboard prototype

Section Seven

Applying Statistical Analysis

- Start out the descriptive statistics
- Understand probability
- Find a correlation
- See how correlation does not imply causation
- Comb techniques for predictive analytics
- Avoiding pitfalls

Section Eight

Interpreting Your Data

- Articulate the Importance of Accurately Interpreting Data
- Determine How to Validate Your Data Analysis
- Mitigate and Analyze Risk, Uncertainty, And Probability
- Spot Patterns and Trends Through Statistical Analysis
- Understand How to Conduct Correlation Analysis and Regression Testing

Section Nine

Deploying three types of analytics

- Understand How You Use Descriptive Analytics
- Plan A Strategy to Use Predictive Analytics
- Think About When It Would Benefit to Use Prescriptive Analytics
- Recognize When to Employ Descriptive, Predictive or Prescriptive Analytics
- Build a Data Model Prototype

Section Ten

Marketing Your Big Data Analytics



- Always Be Closing with Big Data Analytics
- Master the Power of Enchantment
- Being Decisive with Your Analysis
- Use Findings from Big Data to Data Driven Business

Course Fee: 15,900 Baht
Early Bird 13,900 Baht - to be paid 2 weeks prior to training

(Baht)	Course Fee	VAT 7%	Total (No Withholding Tax)	Withholding Tax (3%)	Total with Withholding Tax
Normal Rate	15,900	1,113	17,013	477	16,536
Early Bird Rate	13,900	973	14,873	417	14,456

Payment: Transfer thru bank or pay cheque

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2. By Cheque – Please pay A/C Payee Cheque to “Knowledgeger Co., Ltd.” (“บริษัท โนวเลดเจอร์ จำกัด”)

To complete the registration process, please scan and email the pay-in slip and withholding tax slip (if any) to info@knowledgegertraining.com. Knowledgeger will acknowledge the registration to the registrant and the HR/coordinator emails provided.

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