

Big Data Analysis Skills

Training Course Introduction

Big data analytics is the often-complex process of examining large and varied data sets, or big data, to uncover information -- such as hidden patterns, unknown correlations, market trends and customer preferences -- that can help organizations make informed business decisions. On a broad scale, data analytics technologies and techniques provide a means to analyse data sets and draw conclusions about them which help organizations make informed business decisions. Business intelligence (BI) queries answer basic questions about business operations and performance.

Training Course Objectives

At the end of the training course, participants will be able to:

- How to develop algorithms for the statistical analysis of big data;
- Knowledge of big data applications;
- How to use fundamental principles used in predictive analytics;
- Evaluate and apply appropriate principles, techniques and theories to large-scale data science problems.
- Approach large-scale data science problems with creativity and initiative.

Training Course Methodology

The training course is designed to be interactive and participatory, and includes various learning tools to enable the participants to operate effectively and efficiently in a multifunctional environment. The course will use lectures and presentations, exercises, experiential and exposure to real world problems and policy choices confronting delegates

Training Course Curriculum

Day 1

- Introduction
- What is Big Data
- Three Characteristics of Big Data
- Storing Big Data

Day 2

- Processing Big Data
- The Structure of Big Data
- Why Big Data



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- How is Big Data Different?
- Big Data Sources
- Data generation points

Day 3

- Big Data Analytics
- Types of tools used in Big Data
- Application of Big Data Analytics
- Risks of Big Data
- Impact of Big Data on IT
- Benefits of Big Data