Faysal Aziz

Fundamentals of Data Analytics

FA-0222 · 2 days

Data & Analytics

Introduction

This is a non-technical beginners course for busy business professionals who want to have a grasp of the leading field in Information Technology - which is Data Science and Analytics. This course shall give a high level understanding of the process and techniques of extracting information from data, ascertain patterns, and analyze the data to make predictions and classifications.

Learning Outcome

By the end of the course, the learner shall be able to:

- Understand what the spectrum of Analytics entails
- Comprehend the relationship between analytics and data science
- Visualize the relationship and codependency between data analytics and Big Data
- Have a good understanding of the types of analytics
- Grasp the fundamentals of data structures
- Evaluate the impact of data structures on analytics
- Understand the steps involved in the process of analytics
- Know about the analysis cycle
- Know the options of tools available for performing analytics
- Understand the pros and constraints of analytics tools and their combinations

Course Statistics

Duration: 2 days

- 9am to 5pm

    - Lunch 1pm to 2pm
    - Mid breaks: 2 × 15 min
- Assessment: No assessment
- Intensity: Low
- Mode: Observation and interaction

Prerequisites

- Ability to communicate in English language
- Basic computer usage experience

Training outline

1. Introductions

1. Terms and Definitions
2. Explorations

2. Data

1. Acquisition
2. Storage
3. Process
4. Types
5. Impact

3. Analytics

1. Evolution
2. Classification
3. Process
4. Cycle
5. Techniques
6. Case Study

4. Tools

1. Overview
2. Deep dive

5. Demo

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