

# Data Analysis and Visualisation



8 Weeks Online



6 – 8 Hours a Week



3 Live collaborative learning sessions – 90 min (excl Orientation)

## Module Outline

- Orientation
- Managing in a Data-Centric World
- Hardware and Software for Data Analysis
- Types of Data Analytics for Business
- Visualising Data and Corporate Performance Management (CPM)
- Data Analytics Tools for Business
- Informed Decision-Making using Data Visualisation
- Final Assignment

## Scarce Skill Alignment

- Analytical Thinking and Innovation
- Complex Problem Solving
- Communication skills
- Critical Thinking and Analysis
- Technology Use, Monitor and Control
- Reasoning, Problem Solving and Ideation

## Outcomes

- Evaluate the role and value of data analytics and business intelligence in managing a business
- Identify, examine and implement appropriate analytical techniques to organise and analyse data
- Extract valuable insights to inform strategic decision making
- Evaluate, prepare and present visual interpretations to various stakeholders

## Assessment Task

Learners are required to prepare and submit a data-driven report based on the data analysis and data visualisation techniques gained throughout their course to confidently apply to and support strategic and informed decisions within a business.