



Institute of Business and Technology

Data Analytics (Online)

Study details

Course type: Professional Diploma

Degree: Diploma in Data Analytics

Study mode: Full time

Duration: 14 Week Month

Cost of study

Cost : 1 235 EUR

Reg. fee : N/A EUR

Scholarship :

Insurance : N/A EUR

Intake/s

Jun

Requirements

Entry Requirements

This programme is suited for individuals with a variety of different experience levels, and while there is no academic requirement for entry, all applicants should demonstrate an interest in and an aptitude for data analytics. Basic computer literacy is a requirement with a digital literacy certificate or equivalent.

It should be noted that while this is not a statistics course, all techniques taught are based on the theory of statistics. You will need to understand basic business statistical concepts, including mean/average, standard deviation and normal distribution.

Important notice: This Data Analytics course is primarily Windows-based due to extensive use of Power BI, which only runs on Windows. While a Mac can be used for approximately 40% of the course, a Windows computer or Windows environment is required for Power BI lectures.

Accommodation

Speciality

One evening per week

- Mondays

Additional information

Course Overview

This programme will introduce you to big and small data, teaching you how to manipulate, analyse, and interpret it in sophisticated ways and to present findings in a persuasive and influential manner. You will also learn how to identify situations in which predictive analytics can add value by better meeting customer needs through the smarter allocation of marketing budgets and by improving financial decisions.

Please Note: *Although all techniques are based on the theory of statistics, this is not a statistics course. This course takes a logic-based approach rather than a formula-based one. It will not focus on helping you become knowledgeable on statistics but rather on knowing how to apply all techniques learned in a practical manner.*
Students must use a Windows computer for this course. A Mac is fine as long as it is capable of running Windows.

Course Content

The course covers the following areas:

- Storing Data
 - Working with SQL to store and retrieve data
- Preparing Data
 - Power BI
- Modelling Data
 - Power BI
- Visualising Data
 - Power BI
- Analysing Data
 - Power BI
- Building Predictive Models
 - RapidMiner (Decision Trees, Confusion Matrix, Clustering, Text Analysis)
- Deploying Data Workflows
 - Power BI
- Ethical Overview
- Microsoft Exam Overview

This course requires no programming skills.

Assessment

Participants will be required to successfully complete project work (100%) on real-world case studies and data sets.

What is a Professional Diploma?

An IBAT Professional Diploma is a focused, short-duration practical course that consolidates, upskills, and/or reskills learners in a professional area. It is a stand-alone qualification that does not lead to an award on the National Framework of Qualifications (NFQ).