LEVEL 4

DATA ANALYST

APPRENTICESHIP

They provide management with insights that support best decision making allowing for quicker responses to market trends.

With so much real-time data available, analysts can better understand trends affecting business.

They can help organisations to predict demand, costs and revenue and also identify risks and opportunities.

ABOUT THE PROGRAM

Data Analyst Level 4 is a position that found in any employer in any sector that uses data to make business decisions. Data analysts may work in various departments within a single employer, (for example finance, sales, HR, manufacturing, or marketing), and in any employment sector, public or private, including retail, distribution, defence, banking, logistics, media, local government, etc.

This role helps employees in a number of data roles including: Data Analyst, BI Analyst, MI Analyst, Reporting Analyst and Performance Analyst, Data Manager, Data Scientist, Data Modeller, Data Architect and Data Engineer.

LONDON
EXAMINATIONS BOARD

MODULE DELIVERY

- ✓ Online with live training and support

- ✓ Five (5) modules delivered via weekly recorded lectures (available on-demand)

- ✓ Learning material (E-content) include video lectures, digital reading and case studies available on the LEB learning platform

- ✓ Monthly one-to-one meetings with a dedicated trainer

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Apprentices must apply the knowledge, skills and behaviours gained on the program to their job and demonstrate this by building a portfolio of evidence that supports their professional development during the program

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PROGRAM DURATION

- Total duration up to end point assessment is 18 months.

- Each modules lasts 2 months.

- Each topic within a module comprises of live online lecturers; independent reading of learning material on the platform; practicals; and an assessment.

MODULES

MODULE 1
- Data Basics
- Data Collection
- Data Cleaning
- Data Storage Mngmt
- Retrieval
- Data Modeling
- Data Archival
- Deletion
- Recovery

MODULE 2
- Data Governance Framework
- Data Quality Mngmt
- Metadata & Master Data Mngmt
- Data Protection
- Data Strategy Framework

MODULE 3A
- Excel functions/Tools,
- SQL Functions
- Descriptive Analytics
- Hypothesis Testing & Inferential Statistics

MODULE 3B
- Exploratory Data Analysis
- Predictive Analytics
- Prescriptive Analytics

MODULE 3C
- Probability Distributions
- Introduction to Python
- Data types & Logics in Python
- Data manipulation in MS-Excel using Python
- Statistical Analysis and Charts using Python

MODULE 3D
- Data Visualization using Tableau
- Data Visualization using Power BI

MODULE 4A
- Financial Modeling
- Pricing Modeling

MODULE 4B
- Production Planning Model
- Prediction using Monte Carlo
- Simulation
- Linear Programming Model

MODULE 5
- Data Architecture

STUDENT SUPPORT

- Students receive guidance from our tutors who are highly qualified experts and have real-life examples, case studies and experiences to share with apprentices
- One-to-one sessions with a professional trainer to help them apply their knowledge, skills and behaviours at work
- Learning content – apprentices will have access to our learning material relevant to each module of study. These include notes, short videos, presentations and documents that cover a range of topics required within the sector
- Quarterly online sessions with the apprentices' line managers offer the opportunity for employers to see the progress and provide the opportunities for apprentices to gain more knowledge, skills and behaviours
- Peer network – apprentices will network with other apprentices in different industries for an exciting mix of diverse experiences
- Individual tailored learning – LEB trainers work with each apprentice creating tailored learning to support additional growth
- Preparation for an interview with the End Point Assessment organisation to ensure apprentices have every chance of success
- Synoptic project preparation – your employees will become familiar with the End Point Assessment synoptic project requirements via the submission and feedback on workplace evidence

Contact Us

✉ enquiry@leb.education

🌐 https://leb.education/