Data Analyst
LEVEL 4

⧗ 15 Month Programme + EPA

A Data Analyst will develop the knowledge and skills to be able to apply industry standard tools and methods when interpreting and analysing data supporting effective information based decision making.

Introduction to the course

Data Analysts collect, organise and study data to provide business insight. This programme provides Learners with the understanding of key Data Analysis concepts alongside introducing them to Analytical tools and how to utilise them effectively.

Learner outcomes

This programme covers Processes and Tools for Data Analytics, Data Analysis, Structures and Visualisation, Big Data and Machine Learning.

Key areas covered are:

• Advanced Analytical Methods and Theories.
• Data, Security and Legislation.
• Big Data and Cloud Infrastructure.
• Designing Databases using SQL and Analytical processes.
• Understanding Machine Learning.
• Data Modelling.

Assessment

Learners will go through End-Point Assessment where their performance, knowledge and skills will be assessed against specified criteria. A portfolio of evidence, created by the Learner throughout their Apprenticeship will support their discussion at interview stage, conducted by the BCS (The Chartered Institute for IT).

A good fit for

This apprenticeship is suited to individuals looking to embark on a Data Analytics career, who are currently working with data.

What's next?

Completion of the Apprenticeship enables learners to apply and become Level 3 SFIA recognised. Apprenticeship progression routes are also available to Learners with options such as the Level 6 Data Science Degree or Data Analyst pathway of the Digital and Technology Solutions Degree.

Skillsoft Percipio

During the programme, learners will have access to a range of interative learning to develop their technical, AI and business skills. In addition, learners will be supported by high-quality content inckuding interative labs, courses, books, audiobooks and AI simulators.

skillsoft percipio

Course overview

📅 **Start Date**
Flexible

Level
4

⧗ **Duration**
15 Months + 3 Months EPA

Delivery
Blended

Assessment
On-Programme and End-Point Assessment

Qualification
Level 4 Data Analyst Apprenticeship qualification, a BCS Certificate in Data Analysis Concepts and a BCS Certificate in Data Analysis Tools.
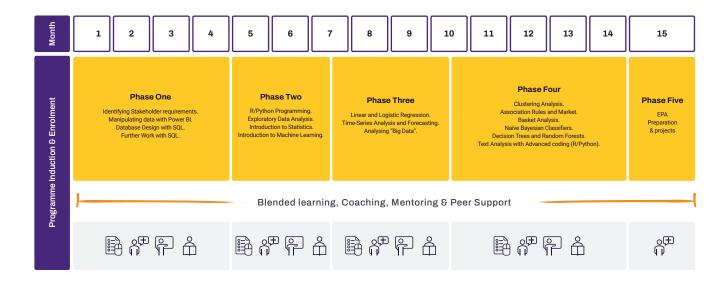
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Blended Delivery Model

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Programme Induction & Enrolment

Phase One
Identifying Stakeholder requirements.
Manipulating data with Power BI.
Database Design with SQL.
Further Work with SQL.

Phase Two
R/Python Programming.
Exploratory Data Analysis.
Introduction to Statistics.
Introduction to Machine Learning.

Phase Three
Linear and Logistic Regression.
Time-Series Analysis and Forecasting.
Analysing "Big Data".

Phase Four
Clustering Analysis.
Association Rules and Market.
Basket Analysis.
Naïve Bayesian Classifiers.
Decision Trees and Random Forests.
Text Analysis with Advanced coding (R/Python).

Phase Five
EPA
Preparation
& projects

Blended learning, Coaching, Mentoring & Peer Support

Gateway

End Point Assessment
3 Months

- ✓ Portfolio of evidence
- ✓ Project with presentation & questioning
- ✓ Professional discussion

🎗 **Apprenticeship Achieved**

Key

Online Learning

Progress Review

Workshop

Practice Exam