



Data Analyst Level 4 Apprenticeship

96% Apprentice
Satisfaction Rate

Flexible and Blended
Training Solutions

Progression
Opportunities

Data Analyst Apprenticeship

The primary role of a Data Analyst is to collect, organise and study data to provide business insight. Data analysts are typically involved with managing, cleansing, abstracting and aggregating data, and conducting a range of analytical studies on that data. They work across a variety of projects, providing technical data solutions to a range of stakeholders/

customers issues. They document and report the results of data analysis activities making recommendations to improve business performance. They have a good understanding of data structures, database systems and procedures and the range of analytical tools used to undertake a range of different types of analysis.

Entry Requirements

This apprenticeship is for new and existing employees in analyst roles. There are no particular pre-requisite entry requirements, but delegates do need to be capable of completing the programme and committed to doing so.

Maths and English

Apprentices achieve their Level 2 English and Maths qualification as part of their apprenticeship.

End Point Assessment (EPA)

Knowledge, skills and behaviours will be tested by an independent End Point Assessor, who will be appointed by your employer. Prior to your EPA, you will attend a Gateway Meeting with your employer, GPSTL Skills Coach and your mentor/supervisor/manager, who will review your progress and confirm that all of the requirements of your apprenticeship have been met. You will then be referred for EPA.

The EPA will take the form of a summative portfolio, synoptic project, employer reference and interview and will be organised at a time and date convenient to both yourself and your employer. The vendor and module certifications, Self-Assessment and Level 2 Maths and English must be complete prior to the EPA taking place.

The outcome of your EPA test will be graded either Pass/Merit/Distinction/Fail.



Main Qualification Structure

Skills Content

Identify, collect and migrate data to/from a range of internal and external systems

Manipulate and link different data sets as required

Interpret and apply the organisations data and information security standards, policies and procedures to data management activities

Collect and compile data from different sources

Perform database queries across multiple tables to extract data for analysis

Perform routine statistical analyses and ad-hoc queries

Use a range of analytical techniques such as data mining, time series forecasting and modelling techniques to identify and predict trends and patterns in data

Assist with data quality checking and cleansing

Apply the tools and techniques for data analysis, data visualisation and presentation

Assist with the production of a range of ad-hoc and standard data analysis reports

Summarise and present the results of data analysis to a range of stakeholders making recommendations

Works with the organisation's data architecture

Knowledge and Understanding

Understands and can apply the processes and tools used for data integration

Understands and can apply industry standard tools and methods for data analysis

Understands the different types of data, including open and public data, administrative data, and research data

Understands the data life cycle

Understands the differences between structured and unstructured data

Understands the importance of clearly defining customer requirements for data analysis

Understands the quality issues that can arise with data and how to avoid and/or resolve these

Understands the steps involved in carrying out routine data analysis tasks

Understands the range of data protection and legal issues

Understands the fundamentals of data structures, database system design, implementation and maintenance

Understands the organisation's data architecture

Understands the importance of the domain context for data analytics

Underpinning Skills, Attitudes and Behaviours

Logical and creative thinking skills

Analytical and problem solving skills

Ability to work independently and as part of a team

Can use own initiative

A thorough and organised approach

Ability to work with a range of internal and external people

Ability to communicate effectively orally and in writing in a variety of situations and at all levels with colleagues and customers

Maintain a productive, professional and secure working environment



Duration

Typically this apprenticeship will take 18 - 24 months.

Progression

On completion, apprentices may choose to enter on to the register of IT Technicians, to support their professional career-development and progression

Modules and vendor qualifications can also be a basis for continuing professional development in the apprentice's chosen field.

Qualifications

EMC: Data Science Associate
BCS Level 4 Diploma in Data Analysis Concepts

Level

This is a Level 4 apprenticeship.

Find Out More

Visit our website for more information about our apprenticeship programmes:
www.gpstl-apprenticeships.co.uk

Still Confused?

Contact our expert team today for more information on this apprenticeship:

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