

Fully funded digital skills training course - Data Analysis, accredited by BCS SCQF Level 7

Based on recent skills research undertaken by SWA and the identified need for data analysis skills, Capita Learning would like to offer this fully funded course, worth £3k, to SWA members and your employees who are eligible as per the criteria set out below.

Part of Scottish Government's Digital Strategy is to upskill our workforce to help fill the tech skills gap we have across all sectors. Skills Development Scotland is currently funding Digital Courses as part of this strategy, called the Digital Start Fund (DSF). The DSF offers individuals an accredited digital qualification and a guaranteed interview designed to help progress them into a role requiring digital skills. **For example, this role could support your business with statistical analysis of data to help you achieve net zero targets ie. vehicle emissions & route planning efficiencies, business efficiency review, energy optimisation.**

The ask of you as an employer is that, once the learner has completed the course you arrange to interview the staff member for a role which requires an element of digital skills. An example of staff development progression from achieving this L7 qualification may be to undertake a Graduate Apprenticeship in Data or Business, this is fully funded by SDS and delivered by Universities across Scotland.

Eligibility criteria:

Low Income (£16,140 p.a.) part time or full time employed and face two or more barriers, such as being an armed forces veteran, having a disability, living in an area with a high unemployment rate, being aged 54 or older.

This fund is not available to people who have graduated from college or university in the last 12 months or currently undertaking an apprenticeship.

Why digital skills?

Businesses increasingly need highly skilled and experienced people in order to deliver your services effectively. But in today's digital economy, businesses need Data and Analytics in particular. Yet, these skills are in short supply, putting pressure on businesses to develop effective strategies quickly. All the while, the market is becoming more crowded as new and emerging technologies disrupt existing practices and lower barriers to entry. In today's fiercely competitive environment, skills gaps and poor utilisation don't just restrict your services, they can make the difference between success and obsolescence.

Details of the course content and delivery are noted below:

As the importance for data analytics grows, more job roles are required to set context and better communicate vital business intelligence. Collecting, analysing, and reporting on data can drive priorities and lead business decision-making.

This course enables the learner to:

- Define data requirements, demonstrating a detailed understanding and rigour
- Illustrate the benefits and uses of data analysis and the techniques applied when analysing business data
- Develop skills and knowledge to support successful business change programmes within your organisation

Course title	Digital Bootcamp – Digital Hybrid Data
Technical description of course content	<p>Digital Hybrid – Data (Qualification Level 7) BCS Data Management Essentials</p> <p>Explore principles of statistical Analysis and Data visualisation</p> <ul style="list-style-type: none"> • Calculate basic descriptive stats using Excel for the exercises. Grouping numeric values and creating histograms. • Advanced Excel for Data Analysis (advanced tables, pivot tables and charts). Excel functions for summarising data. • Fundamentals: syntax, variables, control flow. • The basic data types • Data structures • Write Functions • Create/use modules and create classes. • Python code editors e.g. understand use of VSCode, Google Colab. • Setting up Python and environments • Interactive Python and Jupyter notebooks • Connect to data and build insightful appealing visualisations. • Identify data quality issues from some prepared datasets. Discuss how to find, fix and avoid data quality issues. • Choose the best visual type for a dataset. • Filter data • Organise data into groups and hierarchies. • Use interactive visual techniques; filter and cross-highlight, drill down and drill through to other pages, custom tooltips.
Course days/hours	<p>10 week course Start date 6th December 2021 (<i>numbers depending this could get pushed back to Jan'22 but needs to be complete by end Mar'22</i>). Hours: 20hrs per week. Taught session 4-6pm plus 2hr project work per day that can be carried out at work, as part of the employee's role, or at home. (Mon – Fri)</p>
Delivery Location	<p>Virtual – tutor led online learning / project work Final online BCS exam</p>
Course contact: Please email Adam to express an interest in joining the course, or if you require further information	<p>Adam Brown Adam.brown@capita.com 07902701436</p>