PROJECTING SUCCESS

TRANSFORMING HOW PROJECTS ARE DELIVERED

PROJECT DATA ANALYST ACADEMY LEVEL 4

Key Facts

- Target duration of **12** months
- Our cohorts have varying age groups, aged 18 – 60+
- 20% off the job learning

- **Qualifications:** Level 4 Data Analyst
- £15k maximum funding (within the ESFA funding limit)
  - 100% funded for levy payers
  - 95% for Small medium employers

- Tutor led training via remote online lessons.

What Is Involved?

Off the job training
- **Online Teaching x 22*:** 11 full days, and 11 half–days training
- **Hackathons x 3:** 2.5 days each (1/2 day prep and 2 day hack)
- **Meetups x12:** Monthly evening community meetup sessions
- **Self–Study & Exercises:** circa. 14 days
- **Mentoring & Drop in sessions**:** circa. 2 days
- **Portfolio:** circa. 5 days for compiling evidence

Total = 47 days over 12 months
*training is front-loaded with 2 'intensive' weeks in month 1 & 4

**we meet with learners and employers every 8-10 weeks to ensure that you are getting the support you need and the apprenticeship is delivery results for the business.

What will you get out of it?

Employer:
- **Cost savings**, from automation of repetitive processes through to productivity improvements; delivering projects quicker and cheaper, with greater certainty
- The ability to **do more with less**
- **Improved insights**, governance and reporting, leveraging data that would otherwise be discarded
- **Change agents** who are plugged into the latest developments and can identify opportunities, **inspire others** and begin to transform how your organisation delivers projects
- A **range of capabilities** as a direct product of the apprenticeship, ranging from dashboards to AI solutions
- **Reputational benefits** of being at the forefront of an emerging and transformational capability

Employee:
- The knowledge and experience to become **pathfinders** within the new discipline of project data analytics
- **Practical experience** of solving real world data driven challenges and inspiring others
- Development of a **portfolio of data driven solutions** that demonstrate your proficiency and builds out your CV
- **Improved certainty of employment**, upskilling in a discipline where demand will outstrip supply
- **Options**. It will open up an increased range of opportunities where you can make a difference
- A **network** of people who work at the cutting edge and who are happy to provide help when you need it

Although apprentices will be off the job for 20% of their time, many of their exercises and hackathons will be centred around employer challenges; real problems, real data, practical solutions

WHO IS ELIGIBLE?

Core Entry Requirements (*Mandated by Education and Skills Funding Agency*)

Possess a valid passport/ birth certificate/residence permit **and** NI number Must be in employment

+

Must have lived in the UK and /or EU prior to start date

+

Must not be undertaking another apprenticeship at the same time

+

The apprenticeship must offer substantive new skills & knowledge in your existing or new role

Prior skills, education and experience required

The academy is aimed at providing candidates with practical and hands on experience in project data analytics. We have had people attend directly from sitting A-levels, through to seasoned project professionals with 30+ years experience.

We tailor delivery of training to suit your particular circumstances, equipping you with the skills, knowledge and experience required for the next generation of project delivery.

C If you don't have a GCSE English & Maths (or equiv) at grade C or above then you may be required you to complete additional training in functional skills as part of the course.

We take account of previous relevant experience.
Ultimately employers will assess suitability of staff for training.

Who Is It Aimed At?

Roles: Any project delivery roles that interface with data. The first cohort included project managers, project engineers, PMO professionals, quantity surveyors, BIM, document controllers, H&S managers. Graduates and Professionals seeking to transform their role.

Personal Qualities:
- You will be a self starter with a thirst for knowledge, willing to learn new skills, read around the subject to stay plugged into a fast moving topic and experiment
- You will be an enthusiastic team player, with a desire to network and share knowledge

Technical Experience: You will ideally be comfortable with a range of IT systems and software and ideally have some experience of retrieving, collating, manipulating and presenting data for analysis and reporting purposes. However the course is taught starting with the fundamentals of data so this is not a necessity.

This apprenticeship will give you the skills to identify business challenges, extract and manipulate data to provides insights into these challenges, begin to develop predictive analytics and optimise project performance.

It is transformational

If you would like to reserve your apprenticeship funding to secure a place please get in touch and we can help.

COURSE OUTLINE

Unit	Overview
Visualisation	Introduction to Power BI Loading/transforming/modelling data Graph selection Presentation
Data Analytics	Data theory APIs ETL
Modelling	An intro to AI and ML The data science process ML with Python Regression/classification/clustering/NLP
Coding	Python basics Cleaning data Manipulating data
App building	An introduction to Power Apps Building/maintaining and deploying canvas app
Automation	An introduction to Power Automate Building/maintaing and deploying flows
Databases	An introduction to SQL Basic, intermediate and advanced queries
Statistics	Statistics for data analytics Probablity and Risk
Domain Context	Data Anaytics in the context of: Project Management and Project Controls Waterfall, Agile, Complexity Use Cases
Cloud computing	Azure

How does it work?

On the job experience: Gain hands on experience with real data and helping to solve cutting edge project-related challenges.

Project-based training: With the support of a mentor you will undertake classroom-based and online learning, completing exercises and challenges using an array of data tailored to a project environment.

Community events: You will attend community Hackathons and Meetups to ensure you remain plugged in to the latest thinking from industry experts.

Benefits

- Build critical skills and confidence in data science within project delivery.
- Gain valuable, practical experience with real challenges to enhance your future career prospects.
- Receive support throughout from professionals who are at the cutting edge, and driving industry change.
- Continue to be paid a salary and have your training costs covered for the duration of the apprenticeship.
- Obtain a nationally recognised qualification

"*We approached Projecting Success for the apprenticeship because they are leading the way on project data analytics. They have a deep grasp of project delivery, backed up by personal experience leading megaprojects and portfolios. They combine this with a broad understanding of data analytics, AI and data engineering, led by PhD level expertise. Having founded a community of >5,000 people focused on the topic, they are clearly leaders in this field. They have consistently demonstrated their integrity, collaboration and commitment and are great people to work with.*

We have already seen a step change in our thinking as a consequence of this relationship. We are now starting to see the operational changes following through, with some apprentices already saving hours in their day by automating how they collect, process and report data; they are only just scratching the surface. It is helping to drive a data culture at grass roots, which will transform how we deliver projects. We have a long queue forming for the next intake."

Gareth Parkes, Head of Data, Sir Robert McAlpine.

"*Projecting Success have encouraged us to challenge our current business processes and helped us to realise that there are often more efficient ways of carrying out tasks helping to improve staff morale and reduce costs*"

Anne-Marie Cobb, Lead Development Manager. Osborne

Finalist

Mike Nichols Award for Inspiration

"*Projecting Success' approach...is both revolutionary and highly disruptive. The world needs more people like Martin and his team to shake things up and make us all think differently*"

Project data analytics community member

dataIQ™ 100
THE MOST INFLUENTIAL **PEOPLE IN DATA**

Collaborate with a trusted organisation who are working hard to transform how projects are delivered.

computing
AI & Machine Learning Awards
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PROJECTING SUCCESS

COHORT	LAUNCH DATE	INTENSIVE WEEK 1	INTENSIVE WEEK 2
September 2021	29th September 10:00-11:30	11th - 15th October 09:00-17:00	10th - 14th January 09:00-17:00
November 2021	24th November 10:00-11:30	6th - 10th December 09:00-17:00	7th - 11th March 09:00-17:00

2022 DATES COMING SOON ...

PROJECT:HACK

Leveraging advanced data analytics to transform project delivery

7th - 8th October	4th - 5th December