

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
- **You will receive a Level 4 Data Analyst qualification**
- £15k maximum funding (within the ESFA funding limit) This means the apprenticeship is either:
 - 100% funded for levy payers (Free for employers)
 - 95% for Small medium employers (employers only have to pay 5%)
- 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
3 years prior to
start date.
Must spend 50% of time in the UK
when undertaking the apprenticeship



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.



If you don't have a GCSE English &
Maths (or equiv) at grade C or above
then you may be required 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/maintaining and deploying flows
Databases	An introduction to SQL Basic, intermediate and advanced queries
Statistics	Statistics for data analytics Probability and Risk
Domain Context	Data Analytics 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
2021 AI/ML
Team of the Year

Gold
Microsoft Partner



COHORT	LAUNCH DATE	INTENSIVE WEEK 1	INTENSIVE WEEK 2
May 2022	23rd May 10:00 - 15:30	1st - 15th June 09:00-17:00	7th - 21st September 09:00 17:00
July 2022	27th July 10:00 - 15:30	3rd - 17th August 09:00-17:00	2nd - 16th November 09:00-17:00
September 2022	28th September 10:00 - 15:30	5th - 19th October 09:00-17:00	4th - 18th January 09:00-17:00

30th Nov 2022 25th Jan 2023

PROJECT:HACK

Leveraging advanced data analytics to transform project delivery

4th-5th August 2022

