

Digital Industry

Elevate your career through College **C**, or an Apprenticeship **A**

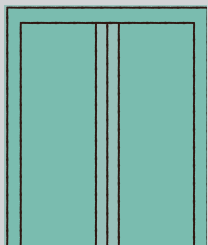
Job Roles (can include)

Skills (can include)

Knowledge and Behaviours (can include)

Level 6+

Senior Management **A**



- Data Scientist
- Informatics,
- Data Engineer



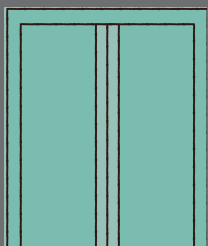
- Identify and clarify problems an organisation faces, and reformulate them into Data Science problems
- Perform data engineering: create and handle datasets for analysis. Use tools and techniques to source, access, explore, profile, pipeline, combine, transform and store data
- Use analysis and models to inform and improve organisational outcomes, building models and validating results with statistical testing



- An inquisitive approach: the curiosity to explore new questions, opportunities, data, and techniques; tenacity to improve methods and maximise insights; and relentless creativity in their approach to solutions
- Consideration of problems in the context of organisation goals
- An impartial, scientific, hypothesis-driven approach to work, rigorous data analysis methods, and integrity in presenting data and conclusions in a truthful and appropriate manner

Level 5

Junior to Middle Management **A**



- Data engineer
- Data manager



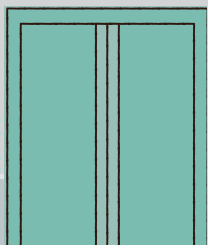
- Collate, evaluate and refine user requirements to design the data product
- Design a data product to serve multiple needs and with scalability, efficiency, and security in mind
- Identify and troubleshoot issues with data processing pipelines
- Identify and escalate risks with suggested mitigation/resolutions as appropriate.



- Acts proactively and takes accountability adapting positively to changing work priorities, ensuring deadlines are met
- Works collaboratively with stakeholders and colleagues, developing strong working relationships to achieve common goals
- Processes to monitor and optimise the performance of the availability, management and performance of data product

Level 4

Experienced to Supervisory **A**



- Data analyst
- Data departmental analyst
- Energy data analyst
- Junior analyst
- Marketing data analyst
- Problem analyst



- Implement the stages of data analysis lifecycle
- Apply principles of data classification within data analysis activity
- Assess the impact on user experience and domain context on data analysis activity
- Apply statistical methodologies to data analysis
- Apply predictive analytics in the collation and use of data

- Maintain a productive, professional and secure working environment
- Show initiative, being resourceful when faced with a problem and taking responsibility for solving problems
- Work independently and collaboratively
- Logical and analytical
- Knowledge of current relevant legislation and its application to the safe use of data

Level 3

Entry level employment to Intermediate **A**
C



- Data support analyst
- Data technician
- Junior data analyst
- Junior information analyst

- Collect, format and save datasets
- Summarise and explain gathered data
- Use tools and techniques to identify trends and patterns in data
- Audit data results
- Operate as part of a multi-functional team
- Apply basic statistical methods and algorithms to identify trends and patterns in data.

- Manage own time to meet deadlines and manage stakeholder expectations
- Use own initiative
- Work independently and take responsibility
- A thorough and organised approach
- Work with a range of internal and external customers

