

BIG DATA ANALYST / ENGINEER

Job Title:	Big Data Analyst / Engineer
Department:	Management Information
Reporting to:	Head of Management Information
Responsible for (staff):	N/A
Location:	Glasgow / Hartlebury
General Purpose of Role:	Provide in-depth data analysis to provide creative solutions to solving problems. Use Big Data concepts and principles to facilitate business decisions through identification and validation of opportunities to improve

ACCOUNTABILITIES

- Undertake collation and intelligent analysis of MI data
- Process unstructured data into a form suitable for analysis
- Undertake statistical analysis to provide insight and intelligence to support business decisions
- Work closely with project managers to interrogate data to support operational change
- Partner with cross-functional representatives to collect and analyse portfolio data which will enhance the performance of FM Operations
- Work with the Contract Management Team to evaluate contractor performance and complete in-depth analysis to identify improvement opportunities
- Handle complex data and manipulate into an understandable and presentable format
- Use data to establish financial and operational predictions for the future
- Work closely with the SMaRT hub to undertake detailed analysis of system data to identify issues and predict future trends

KNOWLEDGE AND SKILLS

- Strong knowledge of and experience with statistics; potentially other advanced mathematics.
- Programming experience – databases, SQL – would be advantageous
- Deep knowledge in data mining, machine learning, natural language processing, or information retrieval.
- Experience processing large amounts of structured and unstructured data.
- Enough systems knowledge to clean and scrub noisy datasets
- Degree qualified or equivalent, preferably in a numerical / engineering discipline
- Extensive experience in data analysis / data mining
- Experience in neural networks / genetic algorithms preferable
- Use of Machine learning: using computers to improve as well as develop algorithms;
- A curious person, someone who enjoys diving deep into the material to find an answer to a yet unknown question
- Understands of how to integrate multiple systems and data sets
- Be able to link and mash up distinctive data sets to discover new insights. This often requires connecting different types of data sets in different forms as well as being able to work with potentially incomplete data sources and cleaning data sets to be able to use them.
- Hypothesis testing: being able to develop hypothesis and test them with careful experiments

OTHER FACTORS

- The post holder must be able to work flexibly, as determined by business requirements this may involve travelling to other Arcus offices or client's premises
- Due to this role being field-based / mobile having a UK driving licence is esse