



Job title	Trainee Data Scientist	Job family and level	Administrative, Professional and Managerial level 4 Training Grade
School/ Department	Digital Research Service	Location	Jubilee Campus

Purpose of role

The purpose of this role is to support the aims of the Digital Research Service to deliver bespoke, high quality support in the area of data analysis. They will work on projects both individually, as well as in collaboration with other team members or to support senior team members and deliver analyses and software within agreed timeframes and budgets.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	Undertake digital research projects <ul style="list-style-type: none"> Take responsibility for the definition, documentation and satisfactory completion of collaborative digital research projects defining requirements, timescales, priorities, milestones and managing risks to the success of the project Design, construct, test and document digital research and data analytics pipelines to support the needs of the researchers Support researchers in understanding the benefits of following data handling best practices 	75%
2	Promote the service <ul style="list-style-type: none"> Actively represent Digital Research Service with a remit to offer specialist expertise and guidance Promote awareness, access and use across the institution Provide researchers with access to expertise and advice that has a strong impact on improving research quality 	10%
3	Deliver Output <ul style="list-style-type: none"> Support researchers and industrial partners by contributing to research papers to be published in academic literature 	5%
4	Personal Development <ul style="list-style-type: none"> Develop own skills and professional capability in line with the needs of the service. Maintain an awareness of technical developments, tools and ideas in research 	5%

	<ul style="list-style-type: none">▪ computing, including attending seminars, technical briefings, conferences and technical groups	
5	<ul style="list-style-type: none">▪ Any other duties appropriate to grade and role of the person appointed	5%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Experience in a broad range of Data Analytics disciplines, e.g. <ul style="list-style-type: none"> ○ Statistical approaches ○ Survival Analysis ○ Bayesian models ○ Regression Models ○ Statistical Tests ○ Power calculations ○ Health data analytics ▪ The ability to apply and implement Data Analytics methodologies using: <ul style="list-style-type: none"> ○ programming languages such as R, Python (or equivalent) ○ Relevant software packages such as SPSS, SAS, Stata (or equivalent) ▪ Excellent oral and written communication skills, including the ability to communicate with clarity on complex information ▪ High analytical ability to analyse and illuminate data, interpretation of reports, evaluate and criticise texts and bring new insights ▪ Ability to read, interpret related data analytics paper and translate the state-of-the-art statistical methods to new problems ▪ Strong organisational, collaborative, and communication skills for dissemination of results. 	<ul style="list-style-type: none"> ▪ A broad understanding of a mixture of database technologies ▪ Skilled in data visualisation, using relevant libraries and packages in Python/R/etc and dedicated software such as Tableau
Knowledge and experience	<ul style="list-style-type: none"> ▪ Experience in health data gathering and data aggregation ▪ Experience in use of research methodologies and techniques to work within area 	<ul style="list-style-type: none"> ▪ Experience in working in a service orientated group. ▪ Understanding and experience of research in the commercial sector. ▪ Experience working in an agile environment.
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ Degree in a relevant computational field OR ▪ Relevant professional experience in a related field, e.g. providing analytics or software development in support of research and development in an academic or industrial setting. 	

--	--	--



Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- | | |
|---------------------------|--|
| Valuing people | Is friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported. |
| Taking ownership | Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations. |
| Forward thinking | Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process. |
| Professional pride | Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices. |
| Always inclusive | Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area. |

Key relationships with others

