

JOB TITLE:	Statistical Consultant / Programmer
PAYSCALE:	£30,000 - £40,000 p.a.
LOCATION:	Exeter Business Park
RESPONSIBLE TO:	Statistical Services Manager

Job Description

This is an exciting role for someone with a strong mix of statistical and programming skills. The successful applicant will join our expanding statistical consultancy team as well as having special responsibility for the development of software tools and systems for use both by our clients and our in-house staff. Whilst all of our consultants are able to produce appropriate code, this new position represents a significant investment in order to enhance our ability to provide software-related services to our clients and reflects the importance that we place on growing this aspect of our business.

The post-holder will be responsible for all significant software-development projects within the organisation. This will include statistical tools for use by our clients (using e.g., VBA, C#, PHP or Java) as well as operational tools for our own internal use including, for example, our project management system (PHP, Javascript, MySQL), automated analysis and reporting tools (e.g., odfWeave) and Shiny apps (R, HTML). The post-holder will work closely with members of the consultancy team, the statistical services manager and, of course, our clients and will be expected to take a pro-active approach to software development by anticipating future needs and identifying services or areas of the business that would benefit from new tools.

The post-holder will be an active member of our consultancy team spending about half of their time undertaking statistical consultancy work in order to develop, broaden and maintain their statistical knowledge and practical expertise. Together, the consultancy team is responsible for delivering a whole range of statistical services to a wide range of public, private and third sector organisations. Recent projects include real-time filtering of financial time series, national survey design and analysis, predictive modelling of UK property characteristics from messy and incomplete data, modelling customer behaviour and predicting future retail sales, testing the effectiveness of veterinary treatments and surgical procedures, and modelling the habitats and population dynamics of the UK's great crested newt population. No two projects are the same and the successful applicant will need to be able to quickly understand the statistical challenge that each project poses and to match that against the skills within the consultancy team to ensure that we provide the best solution for our client.

The role would suit a highly enthusiastic and creative individual with a strong statistical background but a passion for programming. We are looking for someone who enjoys working as part of a team and finding creative solutions to practical problems. The successful applicant will be able to quickly learn new programming languages and be able to see opportunities to make use of their skills to

support and enhance the team and to produce and deliver exciting and valuable new services for our clients.

This is a very exciting role within a very dynamic and ambitious organisation. The post-holder will be encouraged to help shape the company as it grows and will become an integral part of who we are and what we become.

About Us

Select Statistics is a full service statistical consultancy offering a variety of statistics and data-related services to a wide range of private, public and third sector organisations. We deliver professional statistical services across a variety of sectors including, but not limited to, ecommerce, market research, education, ecology, environment, healthcare, government, and finance. We aim to make best use of our clients' data in addressing the questions they need answering and have a core commitment to cooperation, preferring to work together with our clients to share skills, develop knowledge and promote growth.

The post will be based at our state-of-the art office complex on the outskirts of Exeter within easy access to the lively city centre and just minutes from the National parks and surfing beaches that Devon is famous for. We share a lively and very sociable working environment with a small group of like-minded companies that share our strong passion for data analysis and commitment to high professional, ethical and environmental standards. Thus, our team enjoy the excitement and flexibility of working for a small and dynamic company whilst feeling part of a much bigger organisation with all the social and practical benefits that come with it.

Responsibilities

Programming

The post-holder will be expected to undertake the following duties as part of the programmer element of their role:

- Develop tools for use by clients, consultants and the general public
- Maintain and develop the company's Shiny server and associated apps
- Maintain and develop internal work management system
- Set up and maintain intranet system
- Maintain and develop web site functionality (Drupal)
- Maintain and develop the company's database servers
- Liaise with in-house IT network, hardware and server support teams

Statistical Consulting

As a member of the statistical consulting team, the post-holder will also be expected to undertake the following additional duties:

- Liaison with clients and project team members

- Project scoping and proposal writing
- Report writing and client presentations
- Statistical analysis and interpretation
- Provision of statistical advice both face-to-face and remotely
- Development of appropriate software and codes
- Development and delivery of training materials
- Development of new products and services
- Data sourcing and preparation for analysis
- Engagement with the Select freelance network and coordinating out-sourced projects as required

Person Specification

	Essential	Desirable
Education	<ul style="list-style-type: none"> • Minimum Master's level qualification in Statistics • Substantial undergraduate or post-graduate programming training 	<ul style="list-style-type: none"> • PhD in Statistics • Formal qualifications in database management • Formal qualifications in python, PHP, VBA, C#, C++ and/or C programming
Experience	<ul style="list-style-type: none"> • Previous experience of both Windows and Linux environments • Considerable previous experience and expertise in using R 	<ul style="list-style-type: none"> • C.Stat status or, if ineligible, GradStat status • Previous experience as a statistical programmer • Experience in web development • Experience in the use and management of content management systems • Previous experience of statistical packages such as SPSS, Stata or SAS • Data science/analytics or informatics experience • Previous customer service experience
Skills and Attributes	<ul style="list-style-type: none"> • Excellent written and verbal communication skills • Exceptional programming skills in a variety of relevant languages • Exceptional database skills including MYSQL, MSSQL and MS Access • Ability to communicate engagingly both in written and verbal form • Broad knowledge of statistical methods and their applications • Ability to manage competing priorities effectively. 	<ul style="list-style-type: none"> • PHP programming skills

	<ul style="list-style-type: none"> • Independent and able to act on their own initiative without direct supervision • Ability to work effectively in a team • Ability to work unsupervised on own initiative. • Good problem solving skills • Good motivational skills • Ability to work under pressure to meet deadlines and to react calmly to unplanned/unexpected situations • Excellent time management skills 	
Values and Attitudes	<ul style="list-style-type: none"> • A commitment to the Company's ethos, values, aims and objectives • Positive attitude to personal and organisational development • Enthusiasm and a positive outlook • Understanding of importance of and commitment to confidentiality • Willingness to work flexibly in response to changing organisational requirements • Commitment to high professional ethical standards 	
Other Relevant Factors	<ul style="list-style-type: none"> • Reliable, trustworthy and committed to the post held • Flexible approach to work 	<ul style="list-style-type: none"> • Willingness to travel as required

Professional Development

We are strongly committed to the personal and professional development of our team and will encourage and support team members to develop and maintain an appropriate development programme. All team members are expected to undertake appropriate professional development and to seek or maintain Chartered Statistician status. All team members are also expected to maintain an awareness of statistical issues and debates both within the statistical and wider community.