



## SENIOR DATA SCIENTIST

**Based in Keyworth, Nottinghamshire or Lyell Centre, Edinburgh**

The British Geological Survey (BGS) is one of the world's leading and forward thinking geological science institutes with a focus on both public good science for government and geoscientific research to understand earth and environmental processes. A vacancy has arisen for a highly motivated and enthusiastic Data Scientist at the Lyell Centre in Edinburgh or at our headquarters in Keyworth, Nottingham.

As a BGS Senior Data Scientist we would like you to play a leading role in developing and delivering insight from data using statistical and data science techniques for the benefit of geoscience and society. We would expect you to possess the technical (ICT) and numerical skills to be able to both mine and analyse data from BGS' vast data holdings as the National Geoscience Data Centre but also from social media and other organisation's research data (both Open and proprietary). You would have a real opportunity to work with state of the art environmental data from sensor networks including those established as part of the pioneering UK Geoenergy Observatories (UKGEOS) research project which aims to establish world leading knowledge applicable to a wide range of energy technologies and inform future Government energy policy.

You will have an in-depth knowledge of the current trends in Data Science including frameworks and/or workflows systems for advanced analytics and machine learning. You will have experience with distributed (e.g. HPC clusters, Cloud Systems) and/or virtualised/containerised environments. We would expect you to have experience working with linked data, semantic web and ontologies. In addition it would be desirable to have experience in advanced information processing technologies and intelligent systems to support extracting knowledge from data and scientific discovery.

You will be able to persuasively advocate the value of these techniques to a range of technical, scientific and non-technical/scientific audiences. You will be able to design new ways of collecting and/or combining data (including spatial) from a variety of sources and understand how to manage and/or link this data. You will be able to extract meaning and knowledge from the data you analyse and/or develop innovative solutions and services from our data holdings. You will be able to bring other BGS highly skilled scientific and technical staff into this understanding, making the data more widely useable. We are looking for somebody who can effectively tell stories from data that can be communicated to a wide range of audiences.

You should be educated to 2:1 or above in a relevant degree and have an MSc/PhD or relevant experience in Data Science, Artificial Intelligence or Distributed Systems or a field strongly related to data science (e.g. computer science). In addition to your technical abilities, you must also possess excellent communication skills, both oral and written. The post involves team working, therefore you should be able to work effectively with others and have good time management skills.



This is a varied and dynamic role where you will be expected to apply your technical knowledge and analytical experience to help shape and promote Data Science strategy for BGS. The work will be mostly UK based but there may also be opportunities to work overseas for short periods of time.

Depending on qualifications and experience, starting salary for the role will be £35,222 per annum to £38,254 per annum. Working hours will be 37 per week excluding lunch breaks. A generous benefits package is also offered, including a company pension scheme, childcare voucher scheme, 30 days annual leave plus 10.5 days public and privilege holidays.

This is advertised as a full time post but we will consider applications from those who require more flexible arrangements.

Closing date for applications is 19 April 2018. Interviews will be held on 8 or 9 May 2018.

Applications are handled by the UK Shared Business Services, to apply please visit our job board at [http://www.topcareer.jobs/Vacancy/irc244697\\_8093.aspx](http://www.topcareer.jobs/Vacancy/irc244697_8093.aspx) and submit your up-to-date C.V. and covering letter, which clearly outlines why you are applying for this post and how you meet the criteria described in this advertisement. Applicants who would like to receive this advert in an alternative format (e.g. large print, Braille, audio or hard copy), or who are unable to apply online should contact us by telephone on 01793 867000, Please quote reference number IRC244697.

The Natural Environment Research Council is an equal opportunities employer and welcomes applications from all sections of the community. People with disabilities and those from ethnic minorities are currently under-represented and their applications are particularly welcome. The British Geological Survey is an *Investors in People* organization and has achieved Bronze status for Athena Swan – a scheme that recognizes excellence in women's employment in science, technology, engineering, maths and medicine (STEMM) in UK higher education. There is a guaranteed Interview Scheme for suitable candidates with disabilities.

