

Data Scientist

Information, Systems and Change – Data & Analytics

Overview	
Role Purpose	<p>NHG recognises the importance of Data in achieving its vision. The Data Scientist role offers an exciting opportunity to lead NHGs innovation in this space.</p> <p>We have an exciting programme of work. This includes building out an NLP based large language models, and other more traditional data science approaches. You'll develop experiments, pilot these outputs with our operational teams, helping them to understand the value data science could have and working to productionise your work.</p> <p>In addition they'll lead other exploratory innovations – identifying test cases, and practical opportunities, to apply data science techniques. This includes working with our data architects, engineering and other data functions, to create the environments to support your work, in Azure.</p> <p>These data skills will be accompanied by an ability to communicate persuasively and effectively at all levels at NHG, your work will drive NHG towards becoming a data led decision organisation, and will play a central role in the data transformation programme, inspiring others and upskilling our wider data community.</p> <p>You will have engagement with and give direction to apprentices and data science graduates, in support of your work.</p> <p>You will work alongside teams across NHG, including our digital and data functions. You'll have access to the latest technologies and tools within Azure, including generative AI tools like OpenAI. The role requires data specialism along with excellent analytical, communication skills and understanding of people, change and what we do (business and commercial). Your work will have an impact on our residents in our homes.</p>
Responsible for	N/A
Reports to	Head of Analytics
Line management	N/A
Tier	7
Expectation Level	Colleague
Role relationships	
Internal	Staff at all levels

Role accountabilities

As a data scientist you will work independently and have a good understanding of a range of topics, including data science techniques, delivery methods and stages (such as minimal viable products), tools and technologies.

At this role level, you will:

- Develop complex solutions using a range of data science techniques, whilst understanding any ethical considerations
- Understand the role and demonstrate the benefits of data science within NHG
- Support capability building within the organisation (platform config, upskilling others etc)
- Collaborate with others to develop data science solutions and outputs supporting the organisation
- Run experiments, proving business value.
- Prepare and manipulate data, and perform complex analytics
- Present and communicate effectively
- Work as part of the delivery vehicle for productionising models.
- Helping NHG grow it's data science capabilities and roadmap.

To do the job well, we have outlined the knowledge, experience, and skills you need to do the job.

Personal Specification

Professional expertise (know how & experience)'

Essential

- Experience of working collaboratively with a range of stakeholders in a data science role; nurturing relationships, communicating effectively and delivering quality outcomes
- Experience of delivering impactful data science products in a demanding and complex environment/market
- Experience of working with a range of internal technical partners, such as IT, and non-technical staff to achieve aims.
- Experience of working with data engineers and data scientists to design and deliver products. Cleansing, preparing data, manipulating and transforming it to meet aims.
- Experience using applied maths, statistics and scientific practices, to create business value.
- Experience of mentoring others and transferring knowledge.

Desirable

- Experience of agile project management practices.

<ul style="list-style-type: none"> • Experience of working with Azure and associated tools. • Experience of using Machine Learning to drive business improvement. 	
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Skills	
Essential	Desirable
<ul style="list-style-type: none"> • Growth mindset, ability to create opportunities where they currently don't exist. • Determination and pragmatism – ability to find solutions, and deliver. • Strong analytical ability, including analysis of data sets. • Applied Maths, statistics and scientific practices; classification, regression analysis and clustering as a minimum. • Data engineering and manipulation. • Data science techniques – specific skills in NLP, large language modelling, python, R. • Machine learning knowledge. • Ethics and data privacy. • Product delivery knowledge and (citizen) design and engineering capability. • Programme and build data science product.. 	<ul style="list-style-type: none"> • Ability to motivate others, ability to set direction for others.

Qualifications and/or professional membership	
Essential	Desirable
<ul style="list-style-type: none"> • PHD in a Maths, physics, statistics, data related field. 	

NHG Expectations
<p>NHG expectations framework outlines what we expect from our staff at the five different expectation levels we have across the organisation.</p> <p>This role is a Colleague expectation level and therefore you should refer to the Colleague expectation profile in addition to this role profile.</p> <p>The full NHG expectations framework is available on our external job site page and intranet, Milo.</p>

You'll be assessed on the knowledge, experience, skills, and expectations criteria at various stages throughout the selection process.