

Senior Data Scientist

Are you passionate about using data to shape up the delivery of an innovative health approach? Are you interested in uncovering business insights from big data? Are you a researcher/ professional in performing data sciences to solve real world problems? If so, we have a unique opportunity for a Senior Data Scientist to join Health Navigator during an exciting period of growth.

About Health Navigator

“Next generation healthcare companies will compete on measurable patient and system outcomes and the winners will likely be those who outperform the combination of technology and service delivery. At Health Navigator, we bring together the best available medical, managerial and technical skills resulting in new patient-centric interventions delivered by outcome-based business models and contracts.”

Joachim Werr, MD, PhD, Founder of Health Navigator, NHS Accelerator Fellow 2020

Health Navigator specialises in the provision of innovative health care services, with a focus on improved outcomes for high-risk patient groups. It is currently working with a number of CCGs and Trusts from the NHS.

We have won multiple awards and nominations including:

- Our CEO is an NHS Innovation Accelerator Fellow
- One of the companies selected for the Digital Health London Accelerator Program 2018-19.
- “Highly Commended” in final at Celebration of Innovation Awards 2018, West Midlands Academic Health Science Network.
- Winner of the Self-Management category in the Mediplex Innovation Awards and showcase for 2017.
- Nominated as a finalist in the HSJ HealthTech Partnership of the Year for 2020.

One of our key services is Proactive Health Coaching (PHC) - a nurse-led intervention that helps people manage their health through evidence-based support and coaching, thereby preventing 30-50% of unplanned care.



What's the purpose of this role?

We are looking for an experienced Senior Data Scientist that will help us discover the information hidden in our data and help us make smarter decisions to deliver an outstanding service. You will join a high-performing, rapidly growing team who are passionate about serving patients through new healthcare interventions that rely on advanced data techniques, science and managerial skills

You will have a central role within our team with a special responsibility for evaluating the service impact on the client's health economy and embedding those insights into the business processes. You will also have an opportunity to improve the data engineering and ETL processes as the business moves to processing more data sources and sharing its predictive model to additional services in the country.

Your key responsibilities

- Responsible for several statistical methods and models that help Health Navigator predict populations and individual patient's future health care needs and enable us to intervene with our services upstream to prevent unplanned care.

- Improve the measurement and evaluation model of our interventions.
- Act as the primary technical lead focused on creative use of multiple data sources.
- Guide deployment of advanced analytical techniques to tackle problems.
- Advise senior management on opportunities and gaps in the company's current capabilities across data science technology and infrastructure and recommend plans for growth through adoption of new methods and/or technologies.
- Mentor and support the training of new and existing staff in data science and advanced analytics.

Your personal strengths and skills

Essential

- MA/ Ph.D. in Statistics, Health Economics, Data Science or a related quantitative discipline.
- Research experience, preferably in a healthcare or medical setting.
- Proven track record of handling and analysing large sets of patients and healthcare data, applying advanced statistical models, statistical evaluation of outcomes of interventional studies, evaluation of health system interventions using mixed methods
- Expertise with programming languages such as R, Python or others.
- Data engineering and automation of ETL routines.
- Relational database experience (preferably SQL server).
- Experience in logical data modelling and normalisation.
- Experience in creating complex SQL queries and scripts.
- Able to thrive in a fast-paced environment with uncertainty.
- Documenting and improving analytical and/or data engineering processes and company best practices

Desirable

- Good understanding of the NHS environment.
- Experience with working with sensitive data or data in a health care environment.
- Experience in Root Cause Analysis techniques.
- Expertise working with PowerShell.
- Ability to interpret business requirements, translate into data science problems and deliver high value outputs.

Other

- Works independently and exercises a degree of judgment and adaptability in own decisions and actions.
- Proposes solutions to problems which may sometimes be complex; provides supporting information and analysis.
- Identifies improvements (to processes or the business) and refers to other colleagues for next actions.
- Builds, develops and maintains relationships within the team.

Salary: competitive salary

Are you up for the challenge?

Please send CV to Miguel Sa (miguel.sa@health-navigator.co.uk). We are looking forward to hearing from you!

Note: due to the high volume of applications, we will only respond to candidates who have been shortlisted.