Data Scientists

West Midlands Police (WMP); Birmingham, UK

Salary: £39,918 to £43,908 per annum

West Midlands Police are seeking two Data Scientists to join our newly formed Data Analytics Lab based in central Birmingham.

In this pioneering role you will take advantage of data driven analytical techniques to support the development of solutions to the challenges that West Midlands Police face.

Here at West Midlands Police (WMP), we serve almost 2.8 million people – making us the second largest police force in England. We’re planning to radically overhaul all aspects of the business with WMP2020 – a modernisation plan that’ll change the way we operate. With expertise, commitment and dedication, you’ll thrive in this unique environment and help to realise our ambitions.

A key component of the WMP2020 transformation programme of work is the Data Driven Insight project, which will provide cutting edge data capabilities to WMP. As part of this work WMP are establishing a data science capability, to provide insight into a range of complex issues the force faces, when preventing crime, protecting the public and helping those in need. The aim is to build a class leading data science capability, which is fully integrated into the organisation and provides mathematically and statistically validated insight to all areas of the business. Ultimately this will help West Midlands Police prevent crime, protect the public and help those in need.

**About the opportunity**

We are looking for two highly skilled Data Scientists to be part of our newly formed analytics lab to use data science to bring new insights into complex policing challenges.

**As a Data Scientist your key responsibilities will be to:**

- Develop and interpret statistical models.
- Support communication of analytical models and results to non-technical audiences.
- Work with business owners to translate business activities and objectives into parameters for analytical models.
- Run complex queries, synthesise, analyse and prepare business reports.
- Develop easy to understand analytical applications.
• Analyse and troubleshoot business activities along the structure and flow of information and decision points.

Your skills, qualifications & experience

• Be an issue-based problem solver.
• Substantial practical predictive analytics execution experience.
• A background in advanced analytics.
• Experience in advanced statistics software such as SAS, R, Python and SPSS.
• Experience leading advanced modelling techniques with the application of statistics/econometrics to business problems.
• Experience with Big Data technologies such as Hadoop, Cloudera, Hortonworks, NoSQL, Cassandra and Pig.
• Some experience in visualisation analytics technologies for example Tableau and Qlikview.
• Familiarity with the application of predictive analytics, cognitive computing and forecasting to real world problems.
• It is preferred, but not essential, that you also have consulting experience.

WMP is a large and diverse organisation where you can develop your skills, knowledge and career in an encouraging and flexible environment. We’re able to offer you a comprehensive range of rewards and benefits including:

• 28 days annual leave (plus bank holidays); increasing to 33 days after five years’ service.
• access to a Corporate Health Cash Plan and Wellbeing website.
• an agile modern working environment in central Birmingham.
• the opportunity to save on travel costs through a Corporate Travel Scheme.
• the option to join a generous Local Government pension scheme.

Are you ready to join us?

If yes, we’d like to hear from you.

To apply for this position please complete our online application form.

Closing date: 2 July 2018.

Diversity and Inclusion Vision: “Maximise the potential of people from all backgrounds through a culture of fairness and inclusion to deliver the best service for our communities”