Senior Manager, Data Analytics
Position Description

National Operations

Adelaide

About ONRSR
The Office of the National Rail Safety Regulator (ONRSR) plays an integral role in keeping Australians safe across the nation's vast and varied rail networks. Headquartered in Adelaide, and with offices around the country, ONRSR is an independent regulatory authority that encourages safe rail operations, enforces national compliance with the *Rail Safety National Law*, and promotes and improves rail safety throughout Australia.

Our People
At ONRSR we aim to enhance and promote rail safety nationally through effective risk-based regulation. To achieve that, we need people with the vision to contribute to the safety of Australia's railways – people who are professional, whose values align with ONRSRs values of independence, respect, integrity, diligence and excellence. People motivated by the opportunity to improve rail safety and by the benefits this delivers to the Australian community.

Our purpose
Safe railways for Australia

The Role – Your impact and contribution
The **Senior Manager, Data Analytics** plays a crucial role in working closely with key stakeholders to review and set the future direction of data analytics and applied sciences capabilities within ONRSR. Leading and supporting the team to deliver high impact actionable data modelling tools, insights, analytics and predictive modelling to meet the business needs.

Your contribution is to establish and lead the data analytics strategy including development of new data analytics models and application of new data sets ensuring a depth of understanding of the key processes underpinning the data used.

You will focus on coaching and developing a team to enable data analytics led decision making by key stakeholders by delivering data analytics and analysis functions, which utilises the data available to ONRSR, to provide accurate data reporting, analysis, predictive modelling and causational analytics. This includes, identifying areas of opportunities in collaboration with key internal stakeholders.

Key Relationships
Reports to: General Manager, National Operations
Internal: National Manager, Safety and Assurance; Senior Manager, Technology & Service Delivery; BTS Data Engineer, Principal Data Governance Officer and the Chief Operating Officer

	Your Responsibilities **Activities** Combining your enthusiasm for data analytics and applied sciences and your demonstrated experience in working across data sciences, data modelling, transformation and integration, you will: • Use your knowledge and experience to design and develop an advanced data analytics strategy and capability; • Develop data models and tools to provide reporting, insights, outcomes of scenario analysis to inform the establishment of operational strategies and programs by regulatory decision makers; • Engage with internal partners on matters including data engineering, governance, integration, enterprise architecture, infrastructure and industry to enable delivery of relevant and impactful analytics; • Partner with stakeholders to understand challenges, opportunities where data analytics techniques can be applied to create positive impact in supporting rail safety; • Lead, support and educate a team of analysts to deliver advanced data analytics and analysis services, generating reporting and insights to support stakeholders in making data informed decisions
	What you Bring – Key Competencies Key to success in this role is that you: • Have a proven track record to develop and deliver advance data analytics models and capabilities (including predictive modelling) from the ground up; • Has a good knowledge of Python and (R) skills and mathematic SPSS; • Have experience in technical operations working with Azure (ADF); • Have a strong understanding and experience in designing data structures; • Have strong business acumen and strategic thinking skills and the leadership ability to inspire, coach and develop team members; • Are able to work with large, complex and unstructured data sets using different applications; • Are analytically inquisitive, driven to identify opportunities and find the root cause; • Understand data governance obligations including sound knowledge of the Privacy Act; • Are delivery and outcome focused with a constructive approach to challenges and problem solving; and • Have excellent interpersonal, verbal and written communication skills and demonstrated experience in communicating analysis and insight to senior audiences to influence action. **Helpful qualifications and experience** The successful candidate will hold a tertiary qualification in a relevant field (Mathematics, Computer Science, Statistics, Analytics) and have a minimum of 5 years hands on analytics experience.

SAFE RAILWAYS FOR AUSTRALIA

Your compliance

As a regulator, it is important that we are all on the same page when it comes to safety and risk management and everyone at ONRSR is responsible to actively supporting this aspect of our role to promote a positive and safe culture. ONRSR has a zero tolerance to the use of alcohol and non-prescription drugs for all workers while undertaking ONRSR work. This includes workers recalled to duty unexpectedly who should decline to work if doing so puts them in breach of the Drug and Alcohol Policy.

Other items of note

On occasions, this role will require you to work outside of normal business hours, on weekends and public holidays. There is a requirement to travel which may include short stays in ONRSR interstate offices. If you would like more information about how ONRSR regulates please read the ONRSR Way 2020.

Privacy Notification

ONRSR requires personal information and documents relevant to your employment. The collection and handling of this information will be consistent with the requirements of relevant privacy laws.

Our Commitment to you and your Commitment to ONRSR

ONRSR is genuinely committed to investing in the capability of its staff and is proud of its structured Regulatory Officer training program that will support Regulatory Officers in learning the *ONRSR Way* to rail safety compliance in a supportive environment. Opportunities to learn key skills in both a classroom and infield setting are made available through the delivery of our training program and advancing your skills and knowledge in these areas is also available within this program. The success of this program also relies on your engagement and willingness to coach and mentor staff.

ONRSR expects its people to contribute to the efficient and effective functioning of the organisation to meet ONRSR and team strategic goals. This includes actively participating in the Performance Development and Review process; demonstrating appropriate and professional behaviours in accordance with the Code of Conduct and values; providing assistance to team members if required; and undertaking other key responsibilities or activities as directed.

I have read and understood the requirements of the position and agree to carry out the key responsibilities to the best of my ability.

I understand that I may be required to perform other duties from time to time to fulfill the position requirements.