



Position Description

Position Title:	Lead Data Scientist	Classification Level:	6
Position Number:	00033092	Reports to:	00008741, Assistant Director, Level 8
Directorate:	RevenueWA	Supervises:	0 FTE
Branch/Section:	Compliance/Revenue Intelligence	Location:	Perth Metropolitan Area



Empathy Collaboration Growth Clarity

Our Values

Our values define who we are, how we communicate, interact, develop and work together. Our values underpin everything we do.

Our values: **Clarity, Empathy, Collaboration** and **Growth**.

Role Summary

The Lead Data Scientist is responsible for the end-to-end development and management of RevenueWA's data science capability including statistical analysis and predictive modelling, automation, ETL processes, report and dashboard design, and visualisations. Leverages and interprets information from external sources and RevenueWA's production data to identify audit candidates, trends, risks, and operational inefficiencies. Undertakes a leadership role in the development and implementation of data science within RevenueWA.

Responsibilities

- Responsible for the analysis, design, specification, and programming of compliance advanced analytics and targeting systems.
- Liaise with senior leaders and key internal and external stakeholders to develop innovative strategies that continuously improve performance of the data science function in revenue compliance.
- Lead the development and implementation of data science services to provide new capabilities, increase efficiencies and improve processes.
- In consultation with Information and Communications Technology, ensure any supporting infrastructure such as databases, servers, and applications are configured correctly.
- Lead the development of processes and tools to monitor performance of developed models, algorithms, and processes, and manage their ongoing maintenance and enhancements.



- Provide expert advice in relation to the use of data science and associated technologies to assist compliance strategies and drive continuous improvement.
- Maintain contemporary knowledge of data science programming languages, technologies, and methodologies.
- Interrogate, analyse, and extract data from the business intelligence data warehouse and transactional databases to identify new business insights.
- Demonstrate Finance's values in all interactions to contribute towards an innovative, customer focused, high-performing and values-led organisational culture.
- Demonstrate the expected leadership behaviours and mindsets in the context of Personal Leadership.
- Perform other duties as required.

Essential Requirements

- You will have highly developed conceptual and analytical skills to solve complex problems with the ability to link operational tasks to organisational goals and strategies.
- You will have considerable knowledge and experience in using programming languages (e.g. R, Python, and SQL) to design, develop and deploy data science solutions to support business needs.
- You will have a demonstrated strong understanding of predictive modelling and algorithms, and their practical applications.
- You will have demonstrated ability to develop technical solutions to support Compliance strategies and initiatives

Desirable Requirements

- Well-developed data extraction, manipulation, modelling, and analysis skills utilising Oracle backend databases and Oracle Business Intelligence.
- Possession of, or progress towards a statistics, mathematics, data science, actuarial science, or other relevant qualification

Leadership Context

We believe all our people are leaders. We consider leadership to be critical to the success of Finance and the public sector and, to support this, we have adopted **Leadership Expectations**. This role operates in **Personal Leadership** context. It is essential that you demonstrate the expected behaviours in the context of the role (additional detail provided in separate attachment).

- **Lead collectively:** Seek and build key relationships, work together, and focus on the greater good.
- **Think through complexity:** Think critically, work with ambiguity and uncertainty, assess solutions and impacts, and take calculated risks.
- **Dynamically sense the environment:** Be in tune with the political, social, and environmental trends that impact the work; understand and recognise the needs of others and leverage relationships for desired outcomes.
- **Deliver on high leverage areas:** Identify priorities, pursue objectives with tenacity and display resilience in the face of challenges.
- **Build capability:** Proactively develop others; share learning to promote efficiency and effectiveness; and champion diversity and inclusion.



- **Embody the spirit of Public Service:** Display empathy, compassion, humility and integrity, and a genuine passion for the work; demonstrate a responsibility to Western Australians; and work in the interest of the public good.
- **Lead adaptively:** Continuously seek to understand personal strengths and areas for improvement, be adaptive to change and adjust leadership style in different contexts.

Pre-employment requirements

Australian Permanent Residency is a minimum requirement for permanent appointment to the WA Public Sector. For a fixed term contract or casual appointments, applicants require a valid Work Visa for the duration of the entire term.

Appointment is subject to 100 point identification check and Criminal Records Screening clearance.

Certification

Verified by: Dianne Terte, HR Consultant, March 2023

Classification Evaluation Date: May 2020

