



Data Scientist

POSITION DESCRIPTION FORM

**Region / Portfolio:**

Road Safety Commission

Position Description Number:

TBC

Directorate / Command / District / Division:

Analytics & Insights

Level:

Level 5

Work Unit:

Data Analytics

Employment Conditions

Industrial Agreement/Award: Current PSA, PSCSAA and if applicable Agency Specific Agreement

Work Pattern: Monday – Friday (Day Work): May be required to work outside normal operating hours

Location: Perth

Position Objective

Develops, implements and coordinates data science services across a variety of different business areas to support operational and tactical outcomes. Develops and maintains quantitative models based on business needs, employs machine learning models and advanced analytics to help solve crime faster and keep the community safe.

Role of Portfolio/Unit

The Road Safety Commission is a discrete unit attached to the Western Australia Police Force and administratively accountable to the WA Police Commissioner but, through the Road Safety Commissioner, reports directly to the Minister for Road Safety on road safety matters. The Commission is responsible for leading the development, integration and implementation of state-wide road safety strategies, policies and programs to reduce serious crashes on Western Australian roads.

Our vision is to eliminate life changing road trauma in Western Australia. We aim to achieve this through a safe road-user-culture and a systems approach that encourages safe behaviours and reduces the risks in the road network by improving the safety features of roads and vehicles, so that crashes do not result in serious harm. We seek ambitious, step change improvements on this journey through a paradigm shift to a safety culture approach.

Our values of **Collaboration – Trust – Integrity - Professionalism** underpin all we do. These values guide the way we conduct our work, how we engage with others and deliver services to our customers. Each Commission employee's ability to demonstrate how they apply our values is important. The Commission's values complement those of the WA Police Force which are Duty, Teamwork, Integrity and Care.

Reporting Relationships

This position reports to:

- Manager Data Analytics, L7

Direct reports to this position include:

- Nil

Total number of positions under control: Nil

Position Title: OFFICIAL	Level:	Position Number:
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Key Accountabilities

1 Data Science (70%)

- 1.1 Develops, implements and coordinates data science services to support operational and tactical outcomes.
- 1.1 Produces analytical and statistical reports and products for the Road Safety Commission as well as external bodies such as media.
- 1.2 Collaborates and works cross-functionally to define problem statements, collects data and builds analytical models.
- 1.3 Integrates machine learning models into applications using contemporary environments, technologies and approaches.
- 1.4 Explores and learns the latest languages and technologies to provide new capabilities and increase efficiencies and to advance ongoing reporting and analysis processes, automation or simplification of self-service support for users.
- 1.5 Contributes to the ethical use of data science capabilities and maintains open and transparent data science practices within the agency.
- 1.6 Documents methodologies used to solve business problems and the introduction of best practice approaches.
- 1.7 Contributes to the development and maintenance of project methodologies, processes and tools to support project management practices.

2 Advice, Consultancy and Corporate Engagement (25%)

- 2.1 Negotiates and consults at a technical level in relation to data science processes, initiatives and outcomes.
- 2.2 Provides advice and direction on data science, machine learning and Neuro-Linguistic Programming (NLP) techniques.
- 2.3 Contributes to the development of innovative information dissemination/reporting solutions that utilise a range of emergent technologies and enable predictive, data driven decision making at all levels of the agency.
- 2.4 Contributes to technical briefings, reports, and guidelines for the agency.
- 2.5 Participates in meetings and workshops, provides timely and accurate advice and attends to general and complex inquiries from personnel throughout the agency.
- 2.6 Research data science issues, and local, national and international developments and trends.

3 Other (5%)

- 3.1 Understands and complies with information security policies and procedures to ensure information holdings/systems are kept confidential and utilised accurately and reliably.
- 3.2 Demonstrates and advocates a high level of ethics and integrity in accordance with the agency's professional standards and Code of Conduct including reporting wrongdoing.
- 3.3 Undertakes other duties as directed.

Position Title: OFFICIAL	Level:	Position Number:
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Specialist Prerequisite(s)

Where relevant, select from full list on page 4; if no prerequisites required delete section.

Work Related Requirements

Essential

Context in which work related requirements will be applied and or general standard expected.

Knowledge of descriptive and predictive analytics

Implementing data science practices and techniques. Developing advanced data analytics practices. Building statistical models or complex algorithms and implementing tools to meet operational and tactical needs.

Conceptual and analytical skills

Conceptualising and analysing trends, patterns, and issues to provide advice and evidence-based recommendations. Developing solutions to highly complex problems requiring an understanding of data science techniques.

Communication and interpersonal skills

Establishing, developing and maintaining relationships and partnerships with key internal and external stakeholders at all levels. Presenting issues effectively and negotiating and influencing outcomes.

Knowledge in the use of computers and software packages for data analysis

Employing contemporary coding languages, technologies and development methodologies. Creating production ready data science models using a variety of programming languages (e.g. Structured Query Language (SQL), Python, R, cypher).

Desirable

Possession of, or progression towards, a relevant tertiary qualification

Computer/Data Science, Business Analytics.

Capability Framework

The framework is intended to support staff and supervisors through the performance cycle and identify core competencies relevant to the rank and/or classification level.

Leadership Context

We believe all our people are leaders irrespective of their role. We consider this as critical to our success and, to support this, we have adopted [Leadership Expectations](#) which provides a common understanding of the mindsets and expected behaviours required of all our employees and the public sector.

The leadership context for this role is Personal Leadership. Leading Others. Leading Others. Leading Leaders. Multiple Area Leader. Executive Leader. Agency Leader. State-wide Leader. **(choose one)**

Certification

These details are an accurate statement of the duties, responsibilities and other requirements of the position.

Position Title and Work Unit	Name	Date
Director Analytics & Insights	Sarah Mewett	24/02/2026
Road Safety Commissioner	Adrian Warner	24/02/2026