



Role Statement

Role title:	Data Scientist
Level:	Level 4
Position No:	00031437
Business Unit:	Data Analytics and Service Redesign
Responsible to:	Manager
Direct subordinates:	Nil

Role of Treasury

The Department of Treasury (Treasury) seeks to achieve value for money outcomes for the people of Western Australia through our inspired people, expert analysis and independent advice.

The Treasury business provides economic and financial management and advice to Government. This includes the formulation, implementation and monitoring throughout the year of the State Budget; economic and revenue forecasting; revenue policy advice; advice and analysis on financial arrangements with the Commonwealth; advice on infrastructure policy and planning; advice on the State's financial management framework; and management of the Public Ledger.

Role Description

The Data Scientist position involves developing quantitative models of government service delivery and providing support to the team to analyse performance and to predict future expenditure growth under different policy scenarios. The position would be required to understand business needs, explain technical material to a range of stakeholders, and anticipate issues to help develop and implement solutions in a whole of government environment.

Work activities may include any of the following (but not limited to);

- Researching, planning and building predictive models of expenditure growth for government agencies with support and guidance from other members of the team.
- Assisting in the development of simulation and optimisation models to inform policy making and resource allocation decisions.
- Adopting a data driven approach to evaluating the effectiveness and efficiency of government policies and programs.
- Working collaboratively with internal and external stakeholders to inform policy options and implementation.
- Contributing to the achievement of other team deliverables consistent with the operational plan.
- Sharing knowledge with others to achieve organisational outcomes.

Essential Capability Requirements

The five core capabilities below form part of [Treasury's Capability and Leadership Framework](#) and are also based on the Public Sector Commission's Capability Profile. They articulate the desired behaviours and skills required for successful performance in a role at Treasury. Each capability is supported by a set of behavioural indicators which are accessible from the Department of Treasury website (www.treasury.wa.gov.au) Careers page.

Applicants will be assessed on the following essential capability requirements. You will need to ensure you consider the behavioural indicators relevant to the classification level and within the context of the advertised role.

- 1. Strategy and Analysis** – *Proactively analyses and evaluates information. Displays innovative thinking and is solutions focussed.*
- 2. Achieves Results** – *Works independently and collaborates with others to achieve results. Displays a strong work ethic and resilience.*
- 3. Builds Productive Relationships** – *Builds trust and effectively works together with a diverse group of internal and external stakeholders.*
- 4. Displays Personal Drive and Integrity** – *Displays judgement, initiative and professionalism. Seeks to*

continually learn and develop.

5. Communicates and Influences Effectively – *Communicates information in a clear and effective manner for the target audience.*

Essential Role Specific Requirements

1. Demonstrated interest and aptitude in advanced data analysis and model building.
2. Degree qualifications in Mathematics, Statistics, Econometrics, Computer Science, Data Science, Actuarial Science, Economics, Engineering or similar.

Desirable Role Specific Requirements

1. Experience in statistical packages and associated programming languages (e.g. SAS, R, Python, ExtendSim, Eviews).