



Senior Data Scientist

Classification	Level 6
Position number	00034009
Business unit	Advisory Services
Directorate	Analytics, Digital Transformation and Strategic Projects
Award and Agreement	Public Service Award 1992 and relevant Public Sector CSA Agreement

About us

The Department

The Department of Treasury and Finance (DTF) is at the centre of Government decision-making. As the principal economic and financial advisor, we provide leadership and strategic advice and influence to support the delivery of services and outcomes for the benefit of Western Australia.

What we do is integral to the Government's decision-making processes about where and how to spend taxpayer's money to ensure Western Australians have access to quality services on a financially sustainable basis.

We lead procurement and leverage our buying power to secure products and services for government, achieving value for money for WA.

We collect revenue to fund government services and administer payment of grants and subsidies to the WA community.

The Directorate

The [Analytics, Digital Transformation and Strategic Projects Directorate](#) uses analytical techniques to model, project and evaluate a range of issues with direct impact on the State Budget; provides advice on digital investment and transformation across government; and manages a set of whole of government/cross agency policy projects through three teams – the Data Science Unit, Digital Transformation Unit and Strategic Projects Unit.

The role

Key responsibilities

The **Senior Data Scientist** is primarily responsible for:

- developing quantitative models of government service delivery to analyse performance and to predict future expenditure growth under different policy scenarios;
- actively liaise with a range of stakeholders on complex projects in order to understand business needs, explain technical material, and anticipate issues to develop and;
- implement solutions in a whole of government environment.

Key duties

- Builds predictive models of expenditure growth for large and complex government agencies.
- Develops simulation and optimisation models to inform policy making and resource allocation decisions.
- Adopts a data driven approach to evaluating the efficiency and effectiveness of major government policies and programs.
- Develops a sound understanding of agency operations and service delivery models within short periods of time.
- Maintains and develops productive working relationships with stakeholders to resolve data related problems and issues.
- Shares analytical insights with various stakeholders in a meaningful and compelling manner.
- Maintains awareness of developments in data science trends and developments.
- Contributes to the achievement of other team deliverables consistent with the operational plan.
- Mentors junior staff in the team, including providing technical knowledge and support.
- Exhibits accountability, professional integrity and respect consistent with DTF's values, Code of Conduct and the Public Sector Code of Ethics.
- Undertakes other duties as required.

Key requirements

Core competencies

The five core capabilities below, part of the [Capability Framework](#), articulate the desired behaviours and skills required for successful performance in the role. Each capability is supported by a set of behavioural indicators. You will need to ensure that you consider and demonstrate the behavioural indicators relevant to the classification level and within the context of the role.

1. Shapes and manages strategy
2. Achieves results
3. Build productive relationships
4. Displays personal drive and integrity
5. Communicates and influences effectively

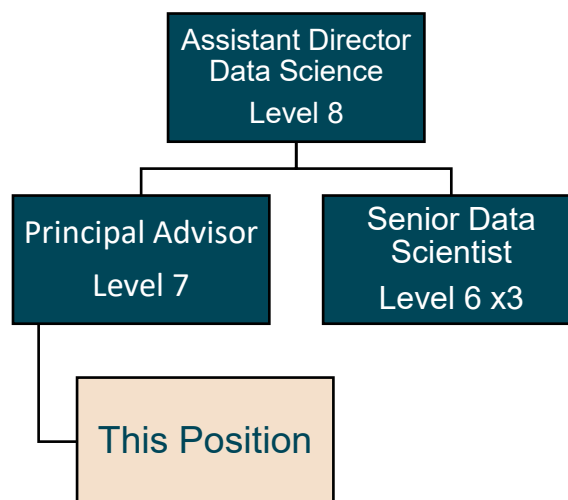
Essential role-specific requirements

1. Significant experience in advanced data analysis and model building.
2. Degree qualifications 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).

Reporting relationships





Certification

The details contained in this document are an accurate statement of the key responsibilities, duties and other requirements of the position.

Assistant Director, People and Culture 1/05/2026
