

Role Description

Senior Data Scientist

Inclusion and Diversity

We all have a role in making our workplace one that embraces and values diverse backgrounds, perspectives and life experiences, creating a workplace where [we all belong](#).

Reasonable adjustments may be discussed with your manager, approved and documented to support and promote human rights and diversity across the workforce.



Job Evaluation No.

24206

Content

Manager No.

24/502158

Work Unit

Talent Strategy and Insights

Engagement and Talent Acquisition

Human Resources Branch

People, Information and Communication Services Division

Location

Brisbane

Classification

AO6 Qld Public Service Officers and Other Employees Award - State 2015
36 ¼ hour week

Job Type

Permanent Full-time

Salary Range

\$114,115 – \$121,876 per annum

3% increase on base salary as 1 September 2024
 Salary is reflective of full-time employment (1.0FTE)

Plus superannuation contributions of up to 12.75% of your annual salary.

Your employer

The Department of Education (DoE) is committed to delivering responsive services focused on equity and excellence to Queenslanders and their communities. We promote equity and excellence by our commitment to respect, protect and promote human rights. Our objectives are: a strong start for all children, every student realising their potential, fair and safe workplaces and communities, capable people delivering our vision. Our vision is one of equity and excellence in a progressive, high performing education system that realises the potential of every student.

For more information about the department, please visit our website at www.qed.qld.gov.au

Your opportunity

As the Senior Data Scientist, you will:

- Support workforce modelling and forecasting initiatives.
- Research and implement evidence-based statistical, mathematical and machine learning techniques to develop and maintain workforce supply and demand forecasts to inform operational and strategic planning.

The Senior Data Scientist reports to the Manager, Talent Strategy and Insights, Engagement and Talent Acquisition, Human Resources Branch, People, Information and Communication Services Division.

Your role

Responsibilities include:

- Undertake advanced data analysis and modelling utilising various mathematical, statistical and machine learning methods to enable workforce supply and demand forecast.
- Support the deliverables which includes data quality improvement activities, extracting data from multiple sources, importing and merging data into databases, creating dashboards and insights templates, producing reports and briefs, analysing performance results, developing and delivering key findings.
- Work with teams to comprehend the diverse business requirements from a wide range of customers, and effectively translate these needs into tailored data-driven and business analytics solutions.
- Assist with metadata design and maintenance, developing and maintaining data structures and models suitable for the strategic objectives.



- Establish and maintain professional and productive working relationships utilising effective interpersonal skills including consultation, presentation skills negotiation and influencing skills.
- Assist in the preparation of high-level briefing documents, submissions, correspondence and reports.
- Use ethical decision-making and project management principles in the achievement of project goals.
- Proactively contribute to maintaining the desired culture within a high-performing team by working smartly and independently, behaving in a professional manner in accordance with agreed policies, utilising initiative and maintaining a positive outlook and approach.

Other responsibilities (as required)

- Other suitable duties, consistent with the duties and responsibilities of the position as directed by the supervisor or nominated delegate.

Competencies – How you may be assessed

[Leadership Competencies for Queensland](#) describes what highly effective, everyday leadership looks like in the public sector. In simple, action-oriented language, it provides a common understanding of the foundations for success across all of our roles within the department.

Vision:

- Leads strategically – thinks critically and acts on the broader purpose of the system.
- Stimulates ideas and innovation – gathers insights and embraces new ideas and innovation to inform future practice.
- Leads change in complex environments – embraces change and leads with focus and optimism in an environment of complexity and ambiguity.
- Makes insightful decisions – makes considered, ethical and courageous decisions based on insight into the broader context.

Results:

- Develops and mobilises talent – strengthens and mobilises the unique talents and capabilities of the workforce
- Builds enduring relationships – builds and sustains relationships to enable the collaborative delivery of customer-focused outcomes.
- Inspires others – inspires others by driving clarity, engagement and a sense of purpose.
- Drives accountability and outcomes – demonstrates accountability for the execution and quality of results through professionalism persistence and transparency.

Accountability:

- Fosters healthy and inclusive workplaces – fosters an inclusive workplace where health, safety and wellbeing is promoted and prioritised.
- Pursues continuous growth – pursues opportunities for growth through agile learning and development of self-awareness.
- Demonstrates sound governance – maintains a high standard of practice through governance and risk management.

Additional information

- This role description works in conjunction with the Candidate Information Package.
- Whilst there are no mandatory qualifications required for this position, it would be highly desirable for the successful applicant to possess:
 - Formal qualifications in data science or related field.
 - Fluency in developer languages such as Python, R, SQL.
 - Azure certification or demonstrated capability.