

PROFESSIONAL PROFILE

A skilled Data Analyst with a PhD in Econometrics and extensive experience in business analytics, statistics, and research for the financial services and public sectors. Specialises in economic forecasting, risk analysis, and data-driven policy insights, with a proven track record in leading data modelling projects, developing interactive dashboards, and providing strategic recommendations for business operations and government policy. Highly skilled in Power BI, Python, SQL, and Tableau, with a strong ability to transform complex datasets into actionable insights that drive informed decision-making. Excellent stakeholder engagement, working with all levels of business to identify requirements and provide actionable solutions.

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| ✓ Financial Modelling | ✓ Economic Forecasting | ✓ SQL, R, Python, Excel, VBA |
| ✓ Data Visualisation | ✓ Interactive Dashboards | ✓ Power BI, Tableau |
| ✓ Complex Datasets/Data Lakes | ✓ Stakeholder Engagement | ✓ Risk & Trend Analysis |
| ✓ Short/Long Range Forecast | ✓ Data Compliance Management | ✓ Process Automation |
| ✓ KPI Statistical Analysis | ✓ Training & Workshops | ✓ Pre -Sales Support |

QUALIFICATIONS & CERTIFICATIONS

- Certified Power BI Data Analyst
- Certification in Azure Data Fundamentals
- PhD in Economics (Distinction) | University of New South Wales, Sydney
- Bachelor of Economics (Distinction) with Honours (1st Class) | University of New South Wales, Sydney

PROFESSIONAL EXPERIENCE

DEPARTMENT OF EMPLOYMENT & WORKPLACE RELATIONS (DEWR), SYDNEY

MAY 2024 TO FEB 2025

The Department of Employment and Workplace Relations (DEWR) promotes fair, productive, and safe workplaces through policies and programs. It employs approximately 3,000 staff and operates across all Australian states and territories.

SENIOR DATA ANALYST

Appointed to support DEWR's Jobs & Skills Australia division with providing the data analysis, models, and insights needed to support policy as well as to aid with understanding and assessing trends for policy development. The position works in a matrix reporting environment, and reported to the Co-Director.

- Partnered with DEWR Policy Analyst to understand their needs and provide proactive, data-driven solutions while translating complex policy concepts to enable data-driven decision-making.
- Managed large-scale data projects, developing innovative and effective approaches to solve business intelligence needs, often handling and mining large, diverse datasets in a fast-paced environment.
- Leveraged Python, Power Query, VBA, Power BI, and PowerPoint for data insights and visualisation.
- Designed, tested, implemented, and managed in-house data products/tools with a user-centred focus, collaborating with stakeholders to ensure reports were fit for purpose.
- Built Power BI dashboards to provide Policy Analysts with meaningful insights into trends and statistics, such as occupational mobility, skill shortages, and workforce trends (1, 3, 5-year projections).
- Modelled data to track TAFE and university enrolments and outcomes, identifying disparities among equity groups, and analysed ABS labour market data to track education qualifications across industries and occupations.
- Contributed key data analysis to Jobs and Skills Australia's major report, Opportunity and Productivity: Towards a Tertiary Harmonisation Roadmap (2025), integrating historical data and policy modelling to inform strategic workforce planning.

DEPARTMENT OF COMMUNITIES AND JUSTICE (DCJ), SYDNEY

DEC 2022 TO APR 2024

The Department of Communities and Justice (DCJ) is responsible for social justice, child protection, housing, and legal services. With over 20,000 employees, DCJ supports vulnerable communities, reduces crime, and ensures access to justice across NSW.

SENIOR DATA ANALYST

The Senior Data Analyst was responsible for supporting the NSW Child Protective Services (CPS) division, which consists of a mixture of public and private agencies, by undertaking various levels of data-driven modelling and analysis to drive efficiency improvements and deliver key insights.

- Managed a complex data lake, pulling data from multiple sources, including state services and private entities, and introduced data quality management frameworks to improve data efficiency and quality.
- Provided expert advice and support on all data-related issues, particularly in data definitions and analytical approaches, contributing to knowledge management and analytics for the NSW CPS division.
- Worked with R, Tableau, Excel, PowerPoint, and SQL to transform raw data into meaningful insights.
- Led the requirements behind the design and subsequent development of new data visualisation products in consultation with end-users to ensure the design incorporated human-centred design principles.
- Built a series of models (short- and long-range) to identify trends in data that would drive future policy.
- Designed and implemented live reporting systems, facilitating real-time data-driven evaluation of child protection programs' effectiveness, while identifying risks and gaps.
- Educated data owners and stewards on complying with data governance policies. Improved the team's workflow efficiency and analytical quality by optimising coding practices.

MOODY'S ANALYTICS, SYDNEY

OCT 2018 TO NOV 2022

Moody's Analytics, a subsidiary of Moody's Corporation, provides data, intelligence, and analytical tools for financial decision-making. With approximately 10,600 employees, it offers credit analysis, economic forecasting, risk management, regulatory compliance, and training services.

ECONOMIST/ANALYST

The role of the Economist plays a key part in providing complex economic models and research reports on various economic trends and risks, primarily focused on delivering insights to financial institutions and businesses.

- Predicted market trends for investors and financial institutions in the APAC region, providing clients with extensive economic insight and analysis, while communicating user-friendly data and trends.
- Synthesised insights from real-time economic data and modelled potential market impacts within 24-hour turnarounds, enabling clients to make data-driven decisions in pressing market conditions.
- Achieved high customer retention for major financial corporations in Australia and Southeast Asia.
- Brought new levels of expertise in economic theory and proprietary statistical models, and received the Focus Economics Analyst Forecast Award in 2020 for outstanding contribution.
- Ran economic training programs for 100+ client personnel annually, contributing to a 40% increase in user engagement and enabling faster client onboarding and self-sufficiency with Moody's Analytic tools and platforms.
- Led the APAC regional forecasting team in evaluating macroeconomic risks to conduct stress testing on bank balance sheets, while providing ongoing training and development to the team to enhance performance.
- Optimised forecasting processes, reducing detected inconsistencies by approximately 70%.
- Provided pre-sales support, contributing to securing contracts worth approximately \$5 million with major financial institutions, maintaining a 90%+ client retention rate through tailored, comprehensive support.
- Served as the primary point of contact for regional forecasting, providing leadership and support for the team.

Previous positions held

- Lecturer – Economics of Finance | University of New South Wales, 2018
- Research Fellow | ARC Centre of Excellence in Population Ageing Research, 2016 to 2018
- PhD candidate | University of New South Wales, 2011 to 2016
- Policy Analyst | The Treasury, Canberra, 2009 to 2010

ADDITIONAL SUPPORTING INFORMATION

IT Experience:

- Data Analysis Coding: SQL, R, R Shiny, Python, Excel, Power Query, VBA
- Data Visualisation & Interactive Dashboards: Power BI, Tableau
- Econometrics: MATLAB, EViews, Fortran
- Financial Reporting: Bloomberg Terminal, Thomson Reuters Datastream

Security:

- Baseline security clearance
- Working with Children Check (WWCC)

