

# Jenny L. Richmond Ph.D

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## SUMMARY

Data analytics leader with 15+ years of experience transforming complex information into actionable insights across academic and research environments. Leveraging R for data visualization, statistical analysis, and communicating technical findings to diverse stakeholders. Successfully led cross-functional teams to complete evaluation and impact projects, resulting in measurable improvements in program quality and operational efficiency. Passionate about making complex data accessible through compelling narratives and visualizations, with experience scaling data literacy programs that reached 40,000+ learners. Ready to apply deep analytical expertise and storytelling capabilities to drive organisational impact through data.

## CORE SKILLS AND KEY COMPETENCIES

### Data Analysis & Visualization

- Analyze and visualize data using R (Tidyverse), including statistical modeling and reproducible reporting with RMarkdown and Quarto
- Manage dataset in Excel and Google Sheets to support efficient workflows
- Apply foundational skills in Python and SQL for exploratory data analysis

### Research and Evaluation

- Design and deploy surveys and experimental protocols to gather insights from diverse stakeholders
- Extract actionable insights from raw data through systematic analysis
- Evaluate programs using clearly defined impact metrics

### Project Leadership

- Lead cross-functional teams through complex, data-intensive projects
- Manage multi-stage projects from conception to final reporting and implementation
- Foster inclusive communities of practice and scale participation across diverse stakeholder groups
- Develop reproducible reporting systems to support compliance and informed decision-making

### Communication & Knowledge Translation

- Translate technical analyses into clear narratives for non-technical audiences
- Design and deliver engaging, data-focused workshops and training resources
- Present complex findings in accessible presentations and reports
- Build data literacy through the development of strategic educational resources

# PROFESSIONAL EXPERIENCE

## ASSOCIATE PROFESSOR | DIRECTOR ACADEMIC PROGRAMS

School of Psychology, University of New South Wales

2019-2025

- Created data workflows that automated evaluation of 7 academic programs serving 1,300+ students, reducing compliance and quality assurance reporting time while improving data accuracy and consistency
- Conducted data-informed program evaluations to monitor outcomes and align revisions with institutional goals and accreditation standards.
- Led data-driven quality assurance initiatives that translated complex student feedback into actionable course revisions, improving satisfaction scores across multiple programs
- Evaluated assessment outcomes informing school-wide policy changes regarding generative AI implementation, balancing innovation with academic integrity

## CO-FOUNDER AND DATA COMMUNITY LEAD

R-Ladies Sydney

2018-2022

- Founded and grew the data community from startup to 1,000+ members, running 48 events, workshops and meetups in 4 years
- Designed and implemented the #RYouWithMe program, creating interactive tutorials and video content that enabled 40,000 + learners to get started with R-based data wrangling and visualization [YouTube channel](#)
- Built a comprehensive data skills curriculum covering data import, cleaning (dplyr), visualization (ggplot2), and communication (RMarkdown), published as an [Quarto website](#)

## CHAIR, HUMAN ETHICS COMMITTEE

University of New South Wales

2017-2019

- Chaired monthly meetings, reviewed research proposals, and ensured compliance with national ethical standards
- Provided feedback and guidance to researchers on complex ethical issues and protocol modifications

## LECTURER | SENIOR LECTURER | ASSOCIATE PROFESSOR

School of Psychology, University of New South Wales

2008-2019

- Analyzed complex electrophysiological and behavioral datasets to extract meaningful patterns and insights, publishing findings in peer-reviewed journals
- Implemented computational reproducibility practices through R-based workflows integrating statistical analysis with narrative reporting via RMarkdown
- Secured \$430,000 in competitive funding for data-intensive research projects requiring sophisticated experimental design and statistical analysis
- Developed and taught courses on developmental psychology, data visualization and computational reproducibility, emphasizing practical applications of analytical techniques (N = 40 - 1200 students)
- Supervised 6 PhD and 30 honours students, building supportive lab culture and promoting career development

# EDUCATION

**Doctor of Philosophy – Psychology**  
University of Otago

August 2004