

# Dr Paddy Tobias

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## About Me

Hi!

I am the data science manager and technical lead at the Social Research Centre. I am passionate about deploying and scaling up data science solutions in a research context.



[Read more about me here...](#)

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## Current Position

### Data Science Manager and Technical Lead - The Social Research Centre

*2021-present*

- From 2021-2022 I managed a team of eight data scientists and engineers to support the Quality Indicators for Learning and Teaching (QILT) project for the Commonwealth Department of Education. QILT is very complex with a number of parallel end-to-end processes.
- In 2022 I became the manager of data science at the SRC, overseeing 18 staff and up to 20 projects at any one time. I work under the [Senior Director of Data Science, Cynthia Kim](#).
- In this role I currently drive a development agenda to build efficiencies and scalability in data management and processing for the SRC, including implementing new tools and technologies to improve data quality and readiness.

► [Click](#) to see a selection of activities

### Senior Data Scientist - The Social Research Centre

*2019-2021*

- As senior data scientist, I worked on the Major Projects team for the SRC.
- The main focus is the [QILT](#) project for the Australian Government Department of Education, Skills and Employment.
- QILT is a longitudinal study into student experience and outcomes of high education students in Australia, which has been running for over ten years.

- I started as a data scientist in 2019 and was promoted to a senior position less than a year later.

## Selected other experience

### eResearch Analyst, Deakin University - Intersect Australia

2018-2019

Based at Deakin University, Burwood, reporting to the Director of the eResearch team, Dr Christopher McAvaney. My role was to service researcher at the the Burwood campus, including coordinating training, providing strategic support for faculties, and supporting researchers to incorporate computational techniques into their workflow.

► [Click](#) to see a selection of activities

### eResearch Analyst, University of New England - Intersect Australia

2016-2018

Based at UNE, reporting to the Deputy Vice Chancellor - Research (DVCR), Prof. Heiko Daniel. Whilst located in the Research Services Directorate, to carry out this role effectively, I worked collaboratively with the University Library and the IT Directorate, as well as the faculties.

► [Click](#) to see a selection of activities

### Research Fellow, Institute of Conflict Transformation and Social Justice, Queen's University (Belfast)

2014

Lead Monitoring & Evaluation Consultant, Women's Empowerment and Access to Justice project in Timor-Leste, Search for Common Ground (Washington)

2013

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## Education

**Ph.D, *Cum laude*.** University of New England, 2010-2015

**M.Data Science.** University of New England, 2018-*ongoing*

**B.International Relations, *Distinction*.** Deakin University, 2007-2009

## Other training

Advanced R Shiny, 2022

Software Carpentry instructor accreditation, 2018

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## Programming skills

My proficiency in selected ETL tools

R, RStudio, Shiny

Python 2 and 3

SQL (SQLite, Oracle, Postgres and MySQL) and database design

Git, GitHub and version control

Bash, grep, sed

Javascript

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## Publications

[Read about them here...](#)

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## References

Provided on request.

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