

# Dr. Dennis Ulbrich

ulbrich.dennis@icloud.com

## EDUCATION

### Doctor of Philosophy – Econometrics and Business Statistics

Monash University

Aug 2021 – Present

- New principles and methods for complex data preparation and integration, with applications to official statistics, web-scraped data and satellite raster images
- Monash Data Futures Institute PhD Top-Up Scholarship (2021-2024)
- Expected submission date: Nov 2024

## EMPLOYMENT

### DATA SCIENTIST

Freelance, Multiple Clients

Jan 2020 – June 2021

Providing data collection, pre-processing, exploratory analysis and modelling services to clients in the early R&D stages of developing data driven products. Projects include:

- Data description and preliminary product feasibility insights for a start-up real estate bond platform; including assessing suitability of various property transaction databases for use in initial product prototype.
- Development of statistical anomaly detection regimes and key historical insights from internet quality time-series data for use in parametric insurance products, including documenting analysis tools in an R package.

## OTHER

- Talk: [Misadventures with Reproducibility in R](#) (30 Nov 2022, R Ladies Melbourne Meetup)
- Talk: [Designing R Packages](#) (4 Oct 2022, Monash EBS Data Science Research Software Study Group)
- Talk: [Quarto Websites as Research Compendiums](#) (16 Aug 2022, Monash EBS Data Science Research Software Study Group)
- Workshop: [Writing academic papers with Rmarkdown and friends](#) (9 Aug 2022, Monash University)

## REFERENCES

Available upon request