

Reilly Innes

Quantitative researcher and data scientist

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<https://reillyinnes.netlify.app/>

EXPERIENCE

University of Amsterdam — *Post Doctoral Researcher*

SEPT 2021 - PRESENT

Analysing behavioural data using computational cognitive models and developing new methods for complex computational modeling in R.

University of Newcastle — *Post Doctoral Researcher*

JUNE 2020 - SEPT 2021

Coded multiple experiments in javascript and conducted data cleaning and analysis in R. Worked on developing [PMwG R package](#) and [user guide](#).

FluTracking, HNE Health — *Data Analyst*

JUNE 2020 - FEB 2021

Analysed large datasets (> 70,000 surveys per week) using SAS and R.

University of Newcastle — *Academic Tutor*

FEB 2017 - JUNE 2019

Taught Introduction to Cognitive Psychology to undergraduates.

EDUCATION

University of Newcastle — *PhD in Cognitive Science*

JAN 2017 - MAY 2021

Thesis titled; *Behavioural Measurement of Cognitive Workload*. Worked with the RAAF and Airbus to design, implement and analyse tests of workload.

University of Newcastle — *Bachelor of Psychology (Hons)*

JAN 2013 - DEC 2016

PROJECTS

State Forestry Analysis — *Tree Volume Prediction*

Used ML in R to combine data from LiDAR and physical measurements to predict volume of forestry wood.

SKILLS

Quantitative Research

Data analysis

Data Modelling

Machine Learning

Scientific Writing & Communication

LANGUAGES

R, javascript, markdown, LaTeX

Experience with SQL, SAS & Python

AWARDS

University of Newcastle best industry engagement award (2019)

Faculty of Science 3 minute thesis winner (2020)

Prize for best presentation; CBMHR postgraduate conference (2017), Experimental Psychology Conference (2017, 2018)

Runner-up best student presentation at International Aviation Psychology Conference (2021)

University of Newcastle Faculty of Science Medal (2016)

