

Ian Hussey

Data Analyst | Behavioral Scientist

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EDUCATION

PhD Behavioral Psychology

Detecting suicidality using behavioral reaction-time tasks

Maynooth University, Ireland | 2015

BA Psychology

First class honours (1.1)

Maynooth University, Ireland | 2010

EXPERIENCE

Postdoctoral Research Scientist

Ruhr University Bochum, Germany | 2022 – present

- Identified common methodological issues in current research practices and defined robust alternative solutions
- Advocated for Open Science initiatives to improve research methods through workshops and coaching
- Participated in strategic planning for a three-year research project

Postdoctoral Research Scientist

Ghent University, Belgium | 2015 – 2020

- Conducted original quantitative research on attitudes, identity, behavioral preferences, and scale validity
- Lead 20+ research projects within the behavioral sciences
- Provided regular statistical consulting to other teams on the use and interpretation of a wide variety of methods: survey design and validation, hypothesis testing, network analysis, Bayesian modelling, and evidence synthesis
- Coordinated a multi-national effort to replicate a seminal Psychology study with implications for marketing
- Acquired, cleaned, transformed, and analysed large data sets to build reports and dashboards
- Designed improvements to data collection procedures that lowered costs by 50% and improved reliability
- Taught classes on research methods and data analysis
- Supervised and mentored 32 undergraduate and graduate students

PhD Research Scientist

Maynooth University, Ireland | 2010 – 2015

- Conducted behavioral research on cognitive biases within suicidality
- Formulated hypotheses, collected, processed and analysed quantitative data, wrote reports and delivered presentations
- Communicated findings to multidisciplinary audiences including other researchers, health professionals, and the public

SKILLS

Communication – Expert in translating the results of quantitative research into evidence-based insights for multidisciplinary and non-technical audiences, through writing, presentations, and visualization

Technical – Data analytics, including wrangling, visualisation, analysis, reports, dashboards, hypothesis testing, network analysis, classification, clustering, Bayesian modelling, and Structural Equation Modelling

Coding languages – R, SQL

Software & Tools – git, tidyverse, dplyr, ggplot2, RMarkdown, Shiny, Jupyter notebooks, lavaan, brms/lmer, qgraph

Languages – English (native), Dutch (beginner), German (beginner)

PROJECTS

Curated dataset & dashboard

Cleaned and transformed a large behavioral science dataset, wrote validity tests and documentation, and created a dashboard

- Code, data, and validity tests: github.com/ianhussey/AIID-study-public
- Dashboard: mmdata.shinyapps.io/AIIDexplorer

Wrote & maintain a software package for statistical analysis

Created and maintain an R package for visualising and analysing data from Single Case Experimental Designs

- Code & vignette: github.com/ianhussey/SCED

AWARDS

Commendation – Society for the Improvement of Psychological Science

2020

‘Making an Impact’ Award – Irish Higher Education Authority

2013