

Matthew Andreotta

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Professional Experience

Postdoctoral Fellow

ENVIRONMENT, COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION (CSIRO) 2022 - 2025

- Led comprehensive research and evaluation activities, applying advanced quantitative (e.g., Natural Language Processing) to analyse complex datasets related to public perceptions of environmental issues
- Managed large-scale data collection, cleansing, and manipulation processes across diverse datasets (media, survey, social media), ensuring data integrity for robust analysis and reporting
- Led two projects for the automated reporting and visualisation of media sentiment towards ocean industries
- Summarised insights from large datasets in reports, manuscripts for scientific journals, and conference/workshop presentations for academics and external stakeholders
- Ran stakeholder workshops to identify stakeholder perceptions and predictions of the seafood industry
- Built organisational capability through presentations, workshops, and supervision of three projects

Analytical Consultant

FREELANCE 2021, 2025

- Provided expert guidance in advanced mixed-methods and statistical analyses

Research Scientist

THE DEMENTIA CENTRE, HAMMONDCARE 2022

- Extracted and summarised data from Salesforce for stakeholders
- Assisted managers and employees to prepare reports for the Department of Health, other teams, and external stakeholders
- Summarised insights from large datasets in reports and manuscripts for scientific journals

Administrator

SCHOOL OF PSYCHOLOGICAL SCIENCE, UNIVERSITY OF WESTERN AUSTRALIA 2021

- Prepared data and drafted reports for the university's course accreditation by the Australian Psychology Accreditation Council (APAC)
- Liaised with university managers and employees to collect data for APAC's requests

Research Assistant

OCEANS & ATMOSPHERE, COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION (CSIRO) 2021

- Prepared materials, datasets, analysis, and reports for an online survey of 418 Australians on their environmental views
- Uploaded, coded and exported documents of social media content for quantitative comparisons

Course Tutor

SCHOOL OF PSYCHOLOGICAL SCIENCE, UNIVERSITY OF WESTERN AUSTRALIA 2016 - 2019

- Taught and mentored undergraduate students on the application of psychological science, including aspects relevant to policy development, behavioural economics, and statistical analysis

Education

PhD (Psychology)

UNIVERSITY OF WESTERN AUSTRALIA 2016 - 2021

BSc with First-Class Honours (Psychology)

UNIVERSITY OF WESTERN AUSTRALIA 2013 - 2015

Technical Skills

Programming

R, Python, Javascript, MATLAB

Analysis

Regression modelling, mixed-effect modelling, survey design, experimental design, Natural Language Processing, mixed-methods research, thematic analysis, qualitative coding

Data management

MySQL, SQL, Apache Arrow, Salesforce