

Personal Statement

Aspiring Data Analyst with strong foundational self-taught skills in SQL, R, and Tableau, as well as practical experience in data wrangling, cleaning, and statistical analysis. Passionate about the interrogation of data to uncover actionable insights and audience-appropriate, informative visual communication of key findings. Currently undertaking a graduate certificate through the University of Sydney to formalise my skills.

Technical Skills

- **R / Python:** Data cleaning, transformation, aggregation, visualisation and statistical analysis, as well as some experience developing regression-based machine learning models.
- **Tableau:** Dashboard design with interactive elements, custom calculated fields and clear illustration of key findings.

Projects

[Biology Band Predictor Website](#)

[Tableau Public Visualisations](#)

[Github: Flight Data Analysis in R](#)

Work Experience

Science/Biology Teacher – Menai High School – NSW Department of Education (2021 – Current)

- Using python, **developed and hosted a machine learning model on a cloud platform to predict student HSC outcomes based on assessment performance**, including data wrangling, cleaning, transformation and testing various models to optimize accuracy.
- Designed an interactive Tableau dashboard to showcase exploratory data analysis conducted prior to developing the predictive model.
- Organized and analysed literacy progress data across multiple year levels, creating Excel spreadsheets for collaborative use with dynamic visualisations to highlight key insights and direct literacy instruction as part of whole school literacy project.
- Regularly communicate complex information to diverse learners, adept at meeting my audience's level of understanding and readiness for technical information.

Casual Ecologist – EMM Consulting, Sydney, Australia (2018-2019)

Program Coordinator – Positive Change for Marine Life, Kovalam, India (2018)

Coastal Ecology Research Internship – Archipelagos Institute of Marine Conservation, Samos, Greece (2017)

Education

Graduate Certificate of Data Analytics – University of Sydney, Expected Completion December 2025

Master of Teaching (Secondary) – University of New South Wales, 2020 – 2021

BSc (Marine Biology) + Honours; Environmental Science and Ecology – University of Adelaide, 2013 – 2016

Certifications

Data Analyst in R – DataCamp

Data Manipulation in SQL - DataCamp

Intermediate SQL - DataCamp

Joining Data in SQL - DataCamp

Hobbies & Interests

I lead an active lifestyle and am a keen distance runner and rock climber. I try to occasionally compete in distance running events and am usually planning my next climbing trip. I have a love for travel and try to combine my rock climbing with trips abroad whenever possible.

References

Alex Bean,
Rel. Head Teacher Science, Menai High School

0422 728 601

Cameron Cole,
Rel. Head Teacher Administration, Menai High School

0481 514 185