

Dr David John Arnold

🏠 Melbourne ✉ david@david-arnold.com

Using data to provide value to stakeholders

Key Skills

Excellent communicator
Advanced quantitative skills
Effective collaborator
Creative problem solver
Python, Julia, SQL, Docker,
FastAPI, SQLAlchemy, Numpy,
Pandas, Seaborn, Javascript,
jQuery, HTML/CSS

Education

Bachelor of Mathematical and
Computer Sciences, with First
Class Honours,
The University of Adelaide, 2012

Ph.D in Applied Mathematics,
The University of Adelaide, 2016

Highlights

- T. M. Cherry Prize at ANZIAM2016 conference, for best student talk
- Dean's Commendation for Doctoral Research Excellence, The University of Adelaide, 2016
- Selected to participate in Fresh Science NSW 2019

Experience

Data Scientist

Claims Analytics, QBE Insurance,
January 2022 –

Responsibilities:

- Developing and deploying analytics tools to help claims officers
- Exploratory data analysis and presentation to decision-making stakeholders

Lecturer in Applied Mathematics

Department of Mathematics and Statistics, Macquarie University,
July 2019 to November 2020

Responsibilities:

- Teaching classes; presenting lectures, managing teaching team, developing new content and facilitating rapid change to online delivery in early 2020.
- Organise department seminar series, including selecting and contacting speakers, organising the calendar and chairing the sessions.
- Produce high-quality research, continuing previous collaborations and establishing individual research program.
- Promoting the discipline and the department by participating in media training and outreach activities.

Assistant Adjunct Professor

Department of Mathematics, University of California, Los Angeles,
July 2016 to June 2019

Responsibilities:

- Teaching classes (40–210 students), involving curriculum definition, preparing and delivering lectures, managing teaching team, and preparing assessments.
- Produce high-quality research working collaboratively with colleagues from different technical backgrounds on a range of projects. Involved in all aspects from experiments to modelling and theory to writing journal articles.
- Mentoring undergraduate and postgraduate research students.