

Dean Marchiori

APPLIED STATISTICIAN | SENIOR DATA SCIENTIST

BSc(Math)(Medal), MAppStat, MAppFin, AStat

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Experience

Wave Data Labs

DIRECTOR & PRINCIPAL DATA SCIENTIST

May 2023 - Present

- Independent consultant and contractor in data science, applied mathematics and statistical modelling
- Expert level R programming
- Microsoft Azure Data Science & Machine Learning Certified Associate

Endeavour Energy

DATA INSIGHTS MANAGER / DATA SCIENCE TEAM LEAD

Apr 2021 - May 2023

- Established and managed Endeavour's first Data Science team
- Implemented MS Azure Machine Learning platform
- Led over 20 data science projects including peer reviewed publications

SENIOR DATA SCIENTIST

Oct 2019 - Apr 2021

- Bush fire risk modelling on the electricity grid
- Vegetation management optimisation and risk modelling
- Developed time series models for weather anomaly detection across the network.
- Airborne LiDAR & geospatial analysis

Macquarie University

SESSIONAL TEACHING ACADEMIC - SCHOOL OF MATHEMATICAL AND PHYSICAL SCIENCES

Feb 2022 - Present

- Casual instructor in Mathematics & Statistics

Internetrix

HEAD OF DATA SCIENCE

Mar 2018 - Oct 2019

- Led 2 x major research projects with the University of Wollongong SMART Infrastructure Facility
- Product development of real time anomaly detection software
- Advanced statistical modelling and consulting

IRT Group

SENIOR STATISTICIAN

Nov 2016 - Mar 2018

- Unsupervised ML / Clustering / Segmentation
- Queuing Simulation & Wait-Time Optimisation
- Experimental Design & AB Testing

ANZ Banking Group

SENIOR DATA ANALYST

May 2014 - Oct 2016

- Advanced statistical modelling
- Built marketing campaign analysis apps (Shiny)
- Programming in R, SAS, SQL

BUSINESS INTELLIGENCE ANALYST

Oct 2012 - May 2014

- Designed call centre and queuing optimisation methods
- Completed time series analysis
- Implemented major telecommunications technology project

EQUITIES TRADER

Jun 2011 - Oct 2012

- Trading domestic and international equities, warrants, managed funds

Education

Macquarie University

Sydney, Australia

MASTER OF APPLIED STATISTICS

2020 - 2021

- GPA of 6.87 out of 7
- Awarded Macquarie University Award for Academic Excellence
- Awarded Julian Leslie Prize in Statistics

Charles Sturt University

BACHELOR OF SCIENCE (MATHEMATICS)

- GPA of 6.87 out of 7
- Awarded Undergraduate University Medal
- Mathematics Major
- Statistics Minor

Bathurst, Australia

2013 - 2017

Kaplan Professional

MASTER OF APPLIED FINANCE

- Major in Financial Markets and Trading
- Graduated with Distinction

Sydney, Australia

2010 - 2013

Awards & Achievements

AWARDS

2021	Julian Leslie Prize in Statistics	Macquarie University
2021	Macquarie University Award for Academic Excellence	Macquarie University
2019	Placed #8 in Top 25 Analytics Leaders in Australia	IAPA
2017	Undergraduate University Medal	Charles Sturt University
2017	Faculty of Science - Executive Dean's List Award	Charles Sturt University
2016	Faculty of Science - Executive Dean's List Award	Charles Sturt University
2015	Faculty of Science - Executive Dean's List Award	Charles Sturt University
2005	Order of Australia Certificate of Commendation	Council of the Order of Australia
2005	Young Australian of the Year (Shoalhaven)	Aust. Day Council

Organisations

Statistical Society of Australia

ACCREDITED STATISTICIAN

- Holds the 'Accredited Statistician' professional accreditation
- Co-Chair of the Section for Statistical Computing and Graphics

Australia

2020

CSIRO Mathematicians in Schools

MATHEMATICS CONSULTANT

- Implemented intro coding/robotics program (EDISON) & basic maths for primary schools students.

Wollongong, Australia

2015

Surf Lifesaving NSW

SURF LIFESAVER

- Bronze Medallion, Cert IV Public Safety (Aquatic Rescue)

Wollongong, Australia

2024

St John Ambulance Australia (NSW)

FIRST RESPONDER

- Over 500hrs as front line first responder to medical emergencies
- Received Order of Australia Commendation and Young Australian of the Year Award (Shoalhaven)

NSW

2006