

Dean Marchiori

STATISTICIAN | SENIOR DATA SCIENTIST

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

+61 400 459 540 | dean@wavedatalabs.com.au | deanmarchiori.com | [deanmarchiori](https://www.linkedin.com/in/deanmarchiori) | [deanmarchiori](https://www.linkedin.com/in/deanmarchiori) | [deanmarchiori](https://twitter.com/deanmarchiori)

Experience

Wave Data Labs

DIRECTOR & PRINCIPAL DATA SCIENTIST

May 2023 - Present

- Independent consultant and contractor in data science

Endeavour Energy

DATA ANALYTICS MANAGER

Apr 2021 - May 2023

- Established and managed Endeavour's first Data Science team
- Bushfire and vegetation risk modelling
- Airborne LiDAR & geospatial analysis

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.

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

Bathurst, Australia

BACHELOR OF SCIENCE (MATHEMATICS)

2013 - 2017

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

- Major in Financial Markets and Trading
- Graduated with Distinction

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

Australia

2020

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

CSIRO Mathematicians in Schools

MATHEMATICS CONSULTANT

Wollongong, Australia

2015

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

JCI Illawarra

DIRECTOR OF FINANCE

Wollongong, Australia

2011

- Co-Launched JCI MentorMe mentoring program

St John Ambulance Australia (NSW)

FIRST RESPONDER

NSW

2006

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