



What's New in the Australian Data Science Network

Welcome to the **June 2021 update** of the [Australian Data Science Network \(ADSN\)](#), a partnership of 22 data science research centres and organisations across the nation. The aim of the ADSN is to connect the concentrations of expertise in data science across Australia, in order to improve communication, encourage collaboration, expand opportunities, and promote our individual and collective capabilities. To make sure you don't miss an update, [subscribe to the ADSN Newsletter](#) to get the latest news, events and opportunities delivered straight to your inbox.

Welcome to our new partners

-  Bond University's [Centre for Data Analytics](#)
-  Deakin University's [Data to Intelligence Research Centre](#)
-  Macquarie University's [Data Analytics Research Lab](#)

Get to know other partners

Last month we held our first ADSN Centre Spotlight, where we heard from the QUT Centre for Data Science, UQ School of Mathematics & Physics, UNSW Data Science Hub, and UTS Data Science Institute. If you missed the May Centre Spotlight or would like to get to know some of our ADSN partners better, the presentations are now available on YouTube. [Watch the recordings](#)

Upcoming events

 [AI and the Future of Education](#) | 22 June 2021, 6pm-7:30pm | Monash Data Futures Institute
Monash Education, in collaboration with the Monash Data Futures Institute, is organising a panel discussion with internationally acclaimed researchers who will cast a critical eye on the increasing attention being paid to AI-driven applications and systems in education. The panel will explore questions like “what forms of AI technology are being implemented in education, and what implications do they have for students, teachers and education institutions?” and “how do the imagined educational benefits of AI contrast with the practical limitations of actually using these technologies?”. [Register now](#)

 [ADSN Centre Spotlight](#) | 25 June 2021, 12pm-1:30pm | ADSN

This is an internally-focused event for current partners in the Australian Data Science Network. If you are a partner, partner representative or communications contact for your organisation's involvement in the Network and haven't received an invitation yet, [please contact us](#).

 [ANZSC2021](#) | 5-9 July 2021 | Statistical Society of Australia

This conference brings together three leading statistical communities – the Statistical Society of Australia, the New Zealand Statistical Association – and the Australian Conference on Teaching Statistics. The aim of this conference is to bring together a broad range of researchers and practitioners across a variety of statistical disciplines to facilitate the exchange of theory, methods and applications. [Register now](#)

31 [QUT CDS Datathon: Decoding](#) | 5-30 July 2021 | QUT Centre for Data Science

The QUT CDS Decode Datathon is a selective one month intensive facilitated training event where teams of data scientists, professionals and subject matter experts come together to delve into topical real world challenges, develop meaningful insights and leverage or create novel datasets to provide solutions to problems identified by government or industry. [Register now](#)

31 [Data Detectives on the Trail of Black Hole Mergers](#) | 22 July 2021, 6:30pm | AMSI

It has now been two decades since Bayesian parameter estimation methods were first introduced for studies in gravitational wave astronomy. On 14 September 2015, Advanced LIGO made the breakthrough of the first detection of gravitational waves — ripples in the fabric of space-time caused by accelerating massive objects. Professor Renate Meyer will review how Bayesian computational methods helped to make sense of the data from the very first detection and from the subsequent observation runs of LIGO/Virgo and provide an outlook to the future space-based observatory LISA. [Register now](#)

31 [ECSSC2021](#) | 26 July – 1 August 2021 | Statistical Society of Australia

The Early Career & Student Statisticians Conference is a biennial conference for students and early career researcher in statistics sponsored by the Statistical Society of Australia. [Register now](#)
Submissions will also be open shortly for the ECSSC2021 Video Competition (entry must be submitted before 23 July 2021). If you're working on any research, put a video together and demonstrate your ability to concisely disseminate your research to a wider audience. Any student or early career statistician (within 5 years of graduation) in a statistics-related field is welcome to enter the competition. [Learn about the competition](#)

Career opportunities

[Senior Biostatistician](#) | Applications close 21 June 2021 | The University of Sydney

The University of Sydney is looking for a Senior Biostatistician to provide statistical analysis to the Health and Clinical Analytics team, a research group of the Sydney School of Public Health in the Faculty of Medicine and Health. [Apply now](#)

[Lecturer/ Senior Lecturer in Data Science](#) | Applications close 4 July 2021 | The University of Sydney

The University of Sydney is welcoming applications for a Lecturer/Senior Lecturer in Data Science to join leading experts at the School of Mathematics and Statistics, within the Faculty of Science. [Apply now](#)

[Head of School, School of Mathematics and Statistics](#) | Applications close 9 July 2021 | The University of Sydney

The University of Sydney is seeking to appoint a distinguished academic as Head of School, School of Mathematics and Statistics, who will join the leadership team of the Faculty of Science. The successful applicant must have a wide network of established relationships with key academic, industry and professional institutions, partners and stakeholders, that can be leveraged to enhance the standing of the school, faculty and University. [Apply now](#)

[Research Assistant \(flexible hours\)](#) | EOIs open | Monash University

The Research Assistant will work with Dr Emi Tanaka to review experimental designs commonly used in practice (with initial focus in agricultural experiments) then testing and adapting the edible and deggust R-packages to construct and visualise these experimental designs. If you are interested in the position, please fill out [this form](#).

 [Data Analyst for Bunnings Warehouse](#) | Applications open | Statistical Society of Australia
Bunnings Warehouse is looking for an experienced Data Analyst to join a growing Data & Analytics team. [Learn more about this opportunity](#)

Scholarship Opportunities

 [CDS HDR Scholarships 2021](#) | Applications close 5 July 2021 | QUT Centre for Data Science
The Centre for Data Science is offering Higher Degree Research (HDR) scholarships for students wishing to undertake a Doctor of Philosophy (PhD) or Master of Philosophy (MPhil) at QUT. The aim is to encourage student-supervisor-project combinations that are well aligned to QUT's objectives for the Centre, including the promotion of diversity and inclusion. For more information, please contact the CDS Centre Manager [here](#).

News highlights

 [New population of blue whales discovered with help of bomb detectors](#) | Published 8 June 2021 | UNSW

Blue whales may be the biggest animals in the world, but they're also some of the hardest to find. A team of scientists led by UNSW Sydney are confident they've discovered a new population of pygmy blue whales. The discovery was made possible using data from the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO), an organisation that monitors international nuclear bomb testing.

[Read the full story](#)

 [AI technology to improve construction site safety](#) | Published 5 June 2021 | Monash University
New, Australian-first technology developed by Monash University engineers, led by Dr Mehrdad Arashpour, will streamline safety, productivity and quality monitoring procedures on building, mining and construction sites. For each piece of equipment, this technology can generate thousands of images. By analysing such images using artificial intelligence (AI), on-site safety, quality and productivity can significantly improve. [Read the full story](#)

 [The science of flavour: Why food researchers are interested in machine learning](#) | Published 19 May 2021 | AIML

Freshly ground coffee. Ripe raspberries warmed in the sun. Crispy bacon. Aged red wine. What is it about some foods and drinks that make them so irresistible? Fundamentally, it's chemistry. PhD candidate Eveline van Honk wants to apply artificial intelligence (AI) and machine learning to drill down into the science of flavour. [Read the full story](#)

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