

## Masterclass Program

Time & Location	Presenter(s)	Session Information
<p>Masterclass 1: 3:05pm-3:50pm (CB08.04.009, Level 4)</p> <p>Masterclass 2: 4pm-4:45pm (CB08.04.009, Level 4)</p>	<p>Candy Jenkins, UTS</p>	<p>Topic: Positioning Yourself as a Data Scientist</p> <p>This session will provide you with an overview of how to understand and articulate your key strengths, whether you are applying for a new job, preparing for an interview or meeting someone for the first time at a networking event. This session will help you to position yourself for your future career.</p>
<p>Masterclass 1: 3:05pm-3:50pm (CB08.02.003, Level 2) Oval room</p>	<p>Theresa Anderson, UTS</p> <p>Katrina Waite, UTS</p>	<p>Topic: Dealing with unconscious bias in the workplace – tactics for ‘disrupting big, loud &amp; first’</p> <p>This masterclass sheds light on unconscious bias in everyday work practices and provides strategies for subtle disruption of these practices regardless of one’s position in the organisation.</p>
<p>Masterclass 1: 3:05pm-3:50pm (CB08.04.010, Level 4)</p>	<p>Inna Kolyshkina, Analytikk</p>	<p>Topic: Deep learning in R for beginners</p> <p>This talk will cover the following topics:</p> <ul style="list-style-type: none"> <li>• What is deep learning?</li> <li>• When is it particularly useful?</li> <li>• Do I (or my organisation) need it now?</li> <li>• How much data deep learning requires?</li> <li>• What languages do we need to know to use it?</li> <li>• Deep learning implementation in R – overview and a high-level case study</li> </ul>
<p>Masterclass 1: 3:05pm-3:50pm (CB08.04.011, Level 4)</p>	<p>Louise Mercer, Everledger</p>	<p>Topic: Demystifying blockchain</p> <p>In this masterclass you will gain a basic understanding of what blockchain is and how it works, and the characteristics that make it useful. Through real world examples, we will explore appropriate use cases for blockchain and equally where it does not make sense to deploy. We will also explore the challenges and complexities to be worked through if we are to move towards this kind of future. There will be a very interactive masterclass with lots of opportunity for questions and discussion.</p>
<p>Masterclass 2: 4pm-4:45pm (CB08.02.003, Level 2) Oval Room</p>	<p>Erin Joly, CBA</p> <p>Kelly Tall, CBA</p>	<p>Topic: Building an inclusive data science practice</p> <p>Kelly and Erin will take you through a framework for building an empathetic data science practice developed during their Master of Data Science and Innovation research and project work. You will leave the workshop with tools to overlay onto your technical practice and bring what Giorgia Lupi calls #datahumanism to your work.</p>

<p>Masterclass 2: 4pm-4:45pm (CB08.04.010, Level 4)</p>	<p>Tatiana Bokareva, Daisee</p>	<p>Topic: Big Data Real life Use Cases The use cases of big data and examples of how it is applied in the commercial world.</p>
<p>Masterclass 2: 4pm-4:45pm (CB08.04.011, Level 4)</p>	<p>Duhita Khadepau, Deputy</p>	<p>Topic: Everything about SQL and why it is important Agenda for the masterclass:</p> <ul style="list-style-type: none"> <li>• Kinesis setup for collecting real time data.</li> <li>• S3 to store the data.</li> <li>• Redshift/Athena/Spectrum for storing data in dwh.</li> <li>• Why is data warehouse important and basic architecture setup.</li> <li>• AWS sagemaker to run machine learning models on that data.</li> </ul>

### **Candy Jenkins**



Candy Jenkins is a talent and leadership development professional with over 15 years' experience working in global organisations in banking, IT, telco, and FMCG. She has managed large-scale graduate recruitment campaigns and led the complete life-cycle of new graduates and MBAs from recruitment and selection through to talent management and leadership development. Candy has built strong relationships internationally with universities and business schools, and has a deep knowledge of the graduate employment sector.

Candy is the Postgraduate Career Consultant at UTS, collaborating with academics and providing one-to-one career consultations and group seminars on career development and employability. She is passionate about helping students to understand their unique value proposition, land their dream job, and achieve their career goals.

### **Erin Joly**



Erin is a data visualisation designer at CBA, creating collaborative information presentations that drive decision-making. She is currently completing her Master of Data Science and Innovation (UTS) – complementing her craft of engaging data narratives and visual designs.

### **Kelly Tall**



Kelly manages a team of data visualisation and UX designers at CBA, and works in collaboration with product owners, and analytic and data science teams across the group to deliver user-centric visualisation tools that look to answer strategic business questions.

### Theresa Anderson



Theresa Dirndorfer Anderson is Course Director of the Master of Data Science and Innovation in the UTS Connected Intelligence Centre. In her teaching and her research, Theresa engages with the ever evolving relationship between people and emerging technologies, conceptually engaging with notions of risk, uncertainty and creativity. As a socio-technical researcher, she applies a transdisciplinary approach and value-sensitive participatory methods to explore human entanglements with emerging technologies and information practices. As an information ethicist, she is particularly interested in the interaction between creative and analytic thinking and doing and in examining ways information systems and institutional policies might better support both creative and analytic activities. Internationally, she is leading discussion about these issues as chair of the Information Seeking in Context international research community and founder of the Human-Centred Data Science Network. Prior to joining UTS, she served as a diplomat, technical writer and environmental education officer.

### Katrina Waite



Katrina Waite is an academic developer at the University of Technology Sydney. A focus of her work is the development of teaching and learning approaches which minimise gender discrimination and foster inclusion. Her current research areas include the practice of higher education curriculum change, and ethnographic approaches to the study of non-inclusive practices in university learning - a research approach which aims to “make the invisible - visible”.

She has contributed to teaching and learning research projects including, ‘Breaking through the “marzipan layer”’: Developing gender mindedness and equity pedagogy in the design of groupwork activities and assessment’, and the OLT project “Student Engagement in University Decision-Making and Governance: Towards a More Systemically Inclusive Student Voice”.

Katrina has also worked at the Higher Colleges of Technology in the United Arab Emirates where she coordinated an e-business degree program which improved the employability of female graduates.

Prior to her move to the higher education sector, Katrina worked as a manager and director in the Australian technology industry.

### **Louise Mercer**



Louise Mercer is the Director of Innovation for Everledger, a global enterprise that tracks the provenance of high-value assets on a digital global ledger in an authenticated immutable manner.

Louise Mercer is a creative and forward-thinking strategic leader with a talent for breaking and reconceiving of business models. Trained in translating disruption and strategic risks into opportunities for innovation, she has held senior roles with Australia's largest general insurers Suncorp and IAG, designing, facilitating and delivering the strategy for strategic renewal of existing business models.

Louise is a pattern finder, lateral thinker, relationship builder, facilitator and explorer of the interactions between technology, society and business.

Louise has a Masters in Business Administration (Entrepreneurship and Finance) and honours in B. Commerce (Arts and Science). She has held Directorship and strategic advisor roles with multiple not-for-profits and social enterprises, including her own business ventures.

### **Inna Kolyshkina**



Inna is Director of Data Science in Analytikk Consulting Services, a Data Science and Data Analytics consultancy. Inna has 20+ years of commercial consulting experience across a range of industries with a focus on Utilities, Insurance and Banking. Her core expertise is the use of organisational data including unstructured data (e.g. free text, images etc.) to develop evidence-based actionable insights into the business outcome of interest.

She is the Founding Chair of Institute of Analytics Professionals of Australia (IAPA), currently -Head, SA IAPA branch. Inna is a sought for guest lecturer in universities (e.g. UNSW, UTS, USyd, UniSA, CMU) and regularly contributes to national and international conferences on Data Science and its applications to real world problems.

### **Tatiana Bokareva**



Tatiana has over 3 years of commercial Data Science and Big Data consulting experience. Previously working as a Data Scientist for Teradata, she was responsible for the designing of analytical solutions, leading and managing the delivery of analytical projects. Her Big Data Science projects included clients from financial institutions, telecoms, government and retail sector. Tatiana has over 10 years' experience in research and analytics, dating back to her PhD years and the time she worked at Networking Research Lab in UNSW. Her research at university was in self-healing distributed sensor systems. She is passionate about sensor networks and distributed system: hardware, protocols, applications, and intelligence within.

## Duhita Khadepau



Graduating with a Bachelor's degree in Information Technology with a major in Advanced Database Management Systems and Data Warehousing, my love of working on databases and data warehouses landed me my first job. Two years into my journey, I moved to the USA to train on the job architecting data warehouses. Continuing my exposure to international markets and businesses, my next destination, Singapore, saw me designing and setting up Data Analytics platforms for clients in the banking and financial services sector. A turning point occurred during my time in Singapore when I was employed by Global Fashion Group's Southeast Asian venture Zalora. Tasked with designing and setting up the Data platform from scratch, my implementation of the designed solution was appreciated not only within Zalora, but across other ventures as well. This recognition resulted in the Global Fashion Group trusting me to replicate the solution implementation for their global data needs. Continuing my association

with GFG, my next stint saw me relocate to Sydney and replicate the design and implementation for a data platform at the Australian venture, THE ICONIC. My professional journey thus far had given me opportunities and valuable experience across the Data Warehousing, Business Intelligence and Analytics spaces. However I was keen on exploring the Data Science space to further my skills and capabilities as a Data Solutions Consultant. UTS's MDSI course had the perfect blend of curriculum that gave me the tools, environment and network to hone those skills. Six months into the course, THE ICONIC had their first Data Scientist in me and my job title and responsibilities shifted from operational execution to strategy formulation. Seeking newer challenges I moved to a rostering and time keeping B2B start-up, Deputy, to build their data platform and strategy from the ground up. Bitten by the entrepreneurial bug, I and two fellow MDSI mates, co-founded our data consultancy, Madlytics, with a value proposition to enable organisations in becoming more data driven and leveraging the resultant insights for sustainable growth.