Day 1: Tuesday, 3 July 2018

Registrations Atrium, Building 14SCO (E7B) 14 Sir Christopher Ondaatje Ave Coffee - Graduation Hall, E7B 8:00am - 9:15am							
Welcome to ResBaz Host: A/Prof Shawn Ross Acknowledgment of country Opening Remarks - Prof Peter Nelson Mason Theatre (overflow to T2 Theatre), E7B 9:15am - 9:45am							
Concurrent sessions commence in assigned rooms **E7B - 14 Sir Christopher Ondaatje Avenue** **8SCO - 8 Sir Christopher Ondaatje Ave** 9:45m - 11:00am							
Room 263 (E7B)	*Room 264 (E7B)*	*Room 200 (E7B)*	*Room 163 (E7B)*	*Room 213 (8SCO)*	*Room 211 (8SCO)*	*Room 212 (8SCO)*	*Room 217 (8SCO)*
Introductory R 1	**Introductory R 2**	**Advanced R**	**HASS Mixed Stream**	**SQL and Data Manipulation**	**Introductory Python 1**	**Introductory Python 2**	**Advanced Python**
Lead Instructors							
Darya Vanichkina	Paddy Tobias	Peter Humburg	Ingrid Mason	Brian Ballsun-Stanton	Madhura Killedar	Aidan Wilson	James Tocknell Xavier Ho (CSIRO) Day 2a
Morning Tea Graduation Hall, E7B 11:00am - 11:30am							
Sessions resume in assigned rooms 11:30am - 1:00pm							
Lunch Graduation Hall, E7B 1:00pm - 2:00pm							
Sessions resume in assigned rooms 2:00pm - 3:15pm							
Afternoon Tea Graduation Hall, E7B 3:15pm - 3:45pm							
Sessions resume in assigned rooms 3:45pm - 5:00pm							
Posters and Networking Session Graduation Hall, E7B 5:00pm - 6:30pm							

Day 2: Wednesday, 3 July 2018

Coffee on Arrival Graduation Hall, Building 14SCO (E7B) 14 Sir Christopher Ondaatje Ave 8:30am - 9:00am							
Welcome to Day 2 Host: A/Prof Shawn Ross Key Story: Prof Liz Pellicano (Macquarie University) - "Knowing Autism" Mason Theatre (overflow to T2 Theatre), E7B 9:00am - 9:45am							
Concurrent sessions resume in assigned rooms E7B - 14 Sir Christopher Ondaatje Avenue 8SCO - 8 Sir Christopher Ondaatje Ave 9:45m - 11:00am							
Room 263 (E7B)	*Room 264 (E7B)*	*Room 200 (E7B)*	*Room 163 (E7B)*	*Room 213 (8SCO)*	*Room 211 (8SCO)*	*Room 212 (8SCO)*	*Rooms 217, 218 (8SCO)*
Introductory R 1	**Introductory R 2**	**Advanced R**	**HASS Mixed Stream**	**SQL and Data Manipulation**	**Introductory Python 1**	**Introductory Python 2**	**Advanced Python**
Lead Instructors							
Darya Vanichkina	Paddy Tobias	Peter Humburg	Ingrid Mason	Brian Ballsun-Stanton	Madhura Killedar	Aidan Wilson	Xavier Ho (Substream A) Anastasios Papaioannou (Substream B)
Morning Tea Graduation Hall, E7B 11:00am - 11:30am							
Sessions resume in assigned rooms 11:30am - 1:00pm							
Lunch Graduation Hall, E7B 1:00pm - 2:00pm							
Sessions resume in assigned rooms 2:00pm - 3:15pm							
Afternoon Tea Graduation Hall, E7B 3:15pm - 3:45pm							
Sessions resume in assigned rooms 3:45pm - 5:00pm							
Movie Night: AlphaGo Conference Room D, MAZE, 18 Wally's Walk 5:30pm - 7:30pm							

2018 SYDNEY RESBAZ

Macquarie University, North Ryde, NSW 2109

Day 3: Thursday, 5 July 2018

Coffee on Arrival Graduation Hall, Building 14SCO (E7B) 14 Sir Christopher Ondaatje Ave 8:30am - 9:00am				
Welcome to Day 3 - Festival at ResBaz Host: A/Prof Shawn Ross Key Story: Sarah McDonald (University of Sydney, Baymatob Pty Ltd) "Best Advice I Ignored - Including My Own" Mason Theatre (overflow to T2 Theatre), E7B 9:00am - 9:45am				
Concurrent Sessions				
THATCamp Unconference	**Machine Learning**	**Lean Innovation for Researchers**	**Lightning and Sponsor Talks**	**Stalls and Demos**
Level 8, Rooms 801 - 803	Room 263, E7B	Room 163, E7B	Mason Theatre, E7B	Graduation Hall, E7B
Facilitators / Moderators				
Dr Rachel Hendery (WSU)	A/Prof Mark Dras (Macquarie University)	Dr Steve Brodie (CSIRO)	A/Prof Shawn Ross (Macquarie University)	Stalls and Demos
All Day Session from 9:45am	Half Day Session from 9:45am	Two Hour Session 11:00 am - 1:00pm	All Day Session from 9:45am	
Details (abstracts, talks, presenters) coming soon				
In Session	In Session	<No session>	Lightning Talks 1 9:45am - 10:45am	
Morning Tea Graduation Hall, E7B 10:45am - 11:00am				
In Session	In Session	In Session	Sponsor and Researcher Talk 11:00am - 12:00pm	Stalls and Demos
			Lightning Talks 2 12:00pm - 1:00pm	
Lunch Graduation Hall, E7B 1:00pm - 2:00pm				
In Session	<No session>	<No session>	Lightning Talks 3 2:00pm - 3:00pm	Stalls and Demos
			Lightning Talks 4 3:00pm - 4:00pm	
Wrap Up and Thank You Mason Theatre, E7B 4:00pm - 4:30pm				
Wrap Up Party !! U-Bar, Campus Common 4:30pm - 6:00pm				

Day 3 Details

Creating impact through research - a hands-on introduction to lean innovation for researchers
Two hour session from 11:00am (Room 163, E7B)
Facilitator: Dr Steve Brodie, Executive Manager Innovation, CSIRO
Open to all researchers and innovators

Want to create impact through your research? Heard about lean innovation and want to find out more? Then this session is for you.

Steve will introduce participants to the principles of lean innovation, including the core methodologies and tools. The approach, initially developed by the lean startup movement, has been specifically tailored by the CSIRO ON program to help researchers create Impact from their work. This practical, hands-on, session will be useful for researchers, and innovators, at any stage in their career.

Machine Learning
Half day session from 9:45am (Room 263, E7B)
Facilitator: A/Prof Mark Dras (Macquarie University)
Target audience is HDR students and Early Career Researchers, but anyone is welcome.

This session will feature six researchers from across a range of disciplines, who'll each give a brief (20 minute) talk about a problem they've worked on and some machine learning techniques or tools they've used. Application areas include astronomy, business information systems, natural language processing, computer vision and image processing, public health and sociology.

Techniques and tools include data visualisation, topic modelling, network analysis, off-the-shelf language processing tools, deep learning systems, and techniques for gathering social media data.

The talks will lead to a networking session, which will be an opportunity for participants to ask questions, discuss their own work and/or link up with other researchers interested in the same application area or techniques.

Presenters are:
A/Prof Mark Dras (natural language processing)
A/Prof Adam Dunn (public health)
Dr Cormac Purcell (astronomy)
Dr Mauricio Marrone (business information systems)
Pete Anderson (computer vision and image processing)
Kathryn Elliott (sociology)

THATCamp
All day session from 9:45am (Level 8, E7B)
Facilitator: Dr Rachel Hendery (Western Sydney University)
Open to all, recommended for Humanities, Arts and Social Sciences participants

THATCamp (The Humanities and Technology Camp) is an 'unconference': a self-directed meeting where humanists and technologists of all skill levels learn and work together.

The day starts with brainstorming topics and skills of interest to participants. The list is narrowed down to topics with willing facilitators and enough collective experience. The outcome is typically three or four parallel small group sessions (running in 1-2 hour blocks). Participants discuss agreed topics, learn new methods, experiment with software or build something together.

Examples of sessions from previous THATCamps include digital pedagogy or ethics in social media research; crowdsourcing; databases for humanities projects; 'how to' sessions e.g. working with archival materials; getting started with artificial Intelligence; as well as hands-on training sessions on web scraping, using the Trove API, or creating Twitterbots.

Day 3 Details

Lightning and Sponsor Talks
All day session from 9:45am (Mason Theatre, E7B)
Moderator: A/Prof Shawn Ross (Macquarie University)
Everyone is welcome

9:45am to 10:45am
Erich Prem (EPIC, *via video hook-up***) -** The distance disincentive: Australia's IT research cooperation with the EU and how to improve it
Dr Kathleen Beyer (NSW OEH) - Climate aware decision making – getting the right information to the right people at the right time
Michael Rampe (Macquarie) - Pedestal 3D & Digitally Distributed Artefacts
Paul Cremin (Lab Archives) - Long Term Capture and Protection of your Discoveries with Electronic Notebooks
Jack Naylor (USYD for Overleaf) - Using LaTeX and Overleaf to Supercharge Research Presentation
Adam Steer (Synthesis Technologies, Canberra) - An open source geospatial conference for Oceania

11:00am to 12:00pm
Jonathan Arthur (Intersect) - Intersect: Research Technology Impact
Gladys Ho (Sydney Children's Hospitals Network) - Bridging functional genomics and diagnostic testing: frontier in medical genetics

12:00pm to 1:00pm
Dr Anthony Dona (USYD, Clarivate Analytics) - Normalised Metrics for Assessing Research Impact
Xavier Ho (CSIRO) - Data Visualisation: Meet the Density Map
Dr Darya Vanichkina (Centenary Institute) - Harnessing the Grammar of Graphics to understand your data
Joachim Mai (UNSW) - HPC as a service at UNSW using NCI

2:00pm to 3:00pm
Prof Ginny Barbour (QUT) - Extending beyond Open Access and FAIR principles to design equitable foundations for open knowledge
Maureen O'Neill (ACU) - Support for novice researchers using digital tools (Nvivo and Qualtrics)
Simon Hammond (Appen) - Using Python to get cleaner corpora
Hom Nath Dhugana (UTS) - Mathematical Modelling of Infectious Diseases
Dr Robert Woodward (Macquarie) - Smart Lasers: exploiting artificial intelligence for autonomous high-power lasers
Dr Abhijit Chowdhury (UoN) - Blues and Brittle Bones : impact of depression and anxiety on bone health among Australian adults

3:00pm to 4:00pm
Dr Tom Honeyman (ARDC) - A lightning tour of national facilities: NCRIS and the Virtual Laboratories
Fathalla Ali (UNSW) - Early development of intestinal microbiota in premature infants
Martha Gerges (UNSW Ingham Institute) - Exploring the health literacy of Arabic immigrant cancer patients
Dr Martin Ostrowski (Macquarie) - Transforming a continental-scale genomics observatory into products for society and industry
Guido Aben (AARNet) - AARNet: your big data highway
Thom McIntyre (Sound and Technology Artist, also works for AARNet) - Dataflow Languages in Data Sonification