ResBaz Sydney 2019
Full Program Guide

People Over Technology

Open Research

Diversity

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General Info

Wifi

Guest Wifi

You can use the link below to retrieve a login account that provides you with UNSW uniwide internet access from for the duration of your visit for ResBaz Sydney 2019.

Click on the link, enter the passphrase below and follow the instructions to retrieve your guest account details.

Passphrase: resbaz2019!

Eduroam

Staff and students visiting UNSW from other campuses should use their home campus wireless access logon credentials to access UNSW's eduroam service. If you have not already set up eduroam at your home campus, you should follow the instructions from your home institution. If you run into issues connecting to eduroam at UNSW, you should contact your home campus IT support as they can assist with authentication issues.

Access and Parking

If travelling by public transport please visit https://transportnsw.info/routes/bus to plan your trip.

If travelling by car all day casual parking is generally available on the top floors of the multi-story carparks located via Gate 14 Barker Street and Gate 11 Botany Street Kensington.

2P and 4P short-term meter parking is available via Gate 5 (this is the closest parking station to ResBaz but spots will fill up early in the day), Gate 2 and Gate 8 on High St. All day casual parking (paid) is also available on the top floors of the multi-story car parks located via Gate 14 on Barker Street and Gate 11 on Botany Street Kensington. For an interactive map visit https://maps.unsw.edu.au/portal/apps/sites/#/campus.

Health and safety

Smoking on campus

UNSW is committed to protecting its staff, students, contractors and visitors from all hazards, including second-hand smoke. For this reason, UNSW campuses are smoke-free.

Security

Security will be roaming around the campus during ResBaz. Please approach security if you feel that your safety is at risk or if you identify any suspicious activity/behaviour. Campus Security is your first point of contact for any incident or emergency on campus. They will coordinate any emergency response 24/7. **For emergencies phone: 9385 6666.** For general enquiries phone: 9385 6000

First aid

First aid assistance can be provided at the University Health Service (Ground Floor, East Quadrangle Building Kensington Campus or 9385 5425) or by contacting Campus Security on 9385 6666 (each Patrol Officer carries a First Aid kit or pouch).

Networking and Social

We'd love for you to tweet throughout the event!

Use **#ResBazSyd, #ResBaz2019** and don't forget to start following your fellow attendees.

The Water Cooler (Daily)

To encourage self-organisation and into discussion topics, this year, we're trialling the use of a whiteboard in the Festival Foyer (next to the posters). If you have a topic of interest, just come to the water cooler and write it down on the board with your availability during ResBaz.

Come back and check in on the board periodically to see if there's any interest from other attendees or if there is another topic you maybe interested in. If a topic session garners a lot of interest, we will try to allocate a seminar room.

Posters Session (Tuesday 12 - 1 pm, 5 - 7 pm)

All posters will be on display throughout the 3 day event. See someone who looks like they could be a good collaborator for your research? Know how to help someone with their Researcher SOS?

- Follow them on twitter
- Stick a post-it note on a poster with some info or a question
- Keep track of your poster in case anyone adds a post it

Please join us for our poster session social on Tuesday Lunch time and again at 5pm. This is your first big chance to network with ResBaz. Come along, grab a drink and have a chat about what you've learned so far, the research you're undertaking and how you might integrate your new found skills into your work.

Chilli Challenge (Tuesday 12 - 1 pm)

A chilli station will be setup on Tuesday. There will be chillis at 10 different levels of hotness with prizes for levels 3, 7, and 10 along with a special sticker for you to display on your name badge.

Come and test your chilli tolerance! Milk and lactose-free drinks will be available to soothe your pain!!

Name Tag Competition (Daily)

This year, we're encouraging all attendees to get creative with their name badges. Once you've picked up your name badge from the registration Desk, you can decorate it to your heart's content and show it off! Visit the Creative Corner in the Booth Hall for all of your crafting supplies.

Make something beautiful and tweet it using **#ResBazSyd or #ResBaz2019**. There will be prizes for standout creations!!!

Festival Program

Keynote/Industry Partner Talks

Adopting a reproducible workflow while keeping your sanity: A transition timeline

Danielle Navarro, UNSW Sydney *(Tuesday 3:15 - 3:45 pm)*

Nowadays, researchers and scholars across a wide range of disciplines are presented with a dizzying array of tools designed to improve transparency and reproducibility of our work. Version control with git, data analysis with R, archiving with preprint servers, writing papers with Overleaf, unit tests for code, preregistration for hypothesis testing... the list is daunting, especially when most of us weren't trained in these tools. In this talk I'll discuss my own transition from a quirky, traditional workflow to a modern one, touching lightly on each of the tools listed above and covering the things I did poorly as well as those I've managed well, in the hope that others do not repeat my mistakes.

AWS/RONIN

Nathan Albrighton, RONIN cloud *(Tuesday 3:45 - 4:15 pm)*

Harnessing the immense scale, power and capability of Amazon Web Services (AWS), RONIN is a game changer, putting research applications and scalable on demand, bleeding edge CPU and GPU processing power, directly in the hands of ALL researchers. Ronin empowers researchers to take advantage of the depth of capability on AWS, without having to become tech gurus of the platform, through a simple yet powerful self-service interface.

Nathan and the RONIN team have worked in concert with AWS in a number of leading research organisations and universities to develop a unique and revolutionary software that unleashes research from the traditional on-premise constraints, enabling researchers and scientists to instantiate and scale their research cloud computing at the click of a button.

Skills for 21st century researchers

Ginny Barbour, Australasian Open Access Strategy Group *(Wednesday 3 - 3:30 pm)*

In the 21st century the rapidly changing scholarly communication landscape means that academics need an ever-expanding variety of skills, abilities and knowledge. This talk will be a rapid tour of some tools and ideas to help you navigate transparency, reproducibility and open research.

Intersect Australia

Dr Jonathon Arthur, Intersect *(Wednesday 3:30 - 3:45 pm)*

Intersect is a not-for-profit, member-based organisation and Australia’s largest full-service eResearch support agency with twelve university members plus many other non-member customers across Australia. Intersect delivers expert advice, compute and analysis platforms, data storage, custom engineering, consulting, and training programs to thousands of researchers every year.

Dr Jonathan Arthur is the National Services Manager of Intersect Australia. Prior to joining Intersect, Jonathan was an Associate Professor in Bioinformatics in the Sydney Medical School of the University of Sydney, and held coincident appointments as the Chief Technology Officer of Children's Medical

Research Institute and the Chief Executive Officer of Sydney Bioinformatics. Jonathan holds a PhD in Chemistry from the University of Sydney. Jonathan's interests lie in health and medical applications of bioinformatics and data science.

A/Prof Ric Lovell, Western Sydney University *(Wednesday 3:30 - 3:45 pm)*

As in many disciplines, advancement in technology (particularly in wearables) has created a big data problem for those that work with elite or emerging athletes. Over recent years, the role of the Sports Scientist has evolved substantially, with handling, visualising, and querying large data-sets becoming an essential skill-set. This talk will provide examples of how data and visualisation has emerged in both sport and exercise science research and in routine elite sport industry practice. In particular, the talk will present a case-study of how the Sport & Exercise Science program at Western Sydney University has collaborated with Intersect to up-skill its graduate students in R, to better prepare them for their research studies and to support athletes.

Associate Professor Ric Lovell works in the area of team-sports physiology. His particular research focus is on athletic development and preparation of players, and monitoring of training and competition match-loads to optimise performance and reduce injury risk. He's worked with elite squads and governing bodies in a number of football codes, including Soccer (Football Federation Australia, US Soccer, Hull City FC, Western Sydney Wanderers, Ghanaian Football Association, Middlesbrough FC, Football NSW), Rugby League (Parramatta Eels, Canterbury Bulldogs, Hull Kingston Rovers), Australian Rules (GWS Giants, the Australian Football League) and Rugby (World Rugby)."

Microsoft

Nadav Rayman , BizData *(Wednesday 3:45 - 4 pm)*

Crunch, analyse and share your research data on Microsoft Azure. This presentation will be a series of stories in research leveraging cloud successfully.

Stop, collaborate and listen: Research partnerships in the digital humanities

Rachel Hendery, Western Sydney University *(Thursday 3 - 3:30 pm)*

In this talk I will discuss challenges and opportunities for research partnerships in digital humanities, based on experience of my own and members of my lab, over many years of collaborating and co-creating research together with a variety of different kinds of partners: including cultural institutions, First Peoples' communities, young people, and tech companies. Each of these kinds of partnerships brings a different set of challenges, for example issues around open data and data sovereignty, differences in cultural and industry norms, and different levels of digital expertise. I will talk about the role of the digital humanities in building bridges between these communities.

Google Cloud Platform

Austin Shen, Software Engineer, Chironix *(Thursday 3:30 - 4 pm)*

Austin is a software engineer for Chironix, working in the cloud division. He graduated with a Master of Physics from UWA, and has since worked in the application of machine learning for solving industry solutions and building products. He is interested in the application of computing for scientific research.

Festival Presentation & Workshops

Intro to NVivo
Peta Ryan, UNE *(Tuesday 2 - 2:30 pm)*

Writing reproducible manuscripts in R markdown
Deborah Apthorp, UNE *(Tuesday 2:30 - 3 pm)*

Take Up TOP! – A crowd-sourced initiative to improve the transparency and openness of published research
Mathew Bagg and Aidan Cashin, NeuRA *(Tuesday 4:15 - 4:45 pm)*

> Although transparency and openness are embraced as vital requirements for scientific progress, the current publication record does not reflect this. Scientific journals are key stakeholders in the production of transparent and open research and their actions may facilitate progress in scientific practice. Take-up TOP! is a crowd-sourced project aiming to improve the extent to which journal authorial guidance champions transparent and open scientific practice. This may increase the use of transparent and open research practices by scientists.

Get recognition for your code - software citation in practice.
Mattias Liffers, Australian Research Data Commons *(Tuesday 4:45 - 5:15 pm)*

> The code you write during your research is valuable - both because it supports the results of your work and because it took you time to create! In the interests of research reproducibility, publishers and funders want you to make your code available. There are international efforts in tracking citations of software to make sure that you get the credit you deserve. What steps can you take to make sure that your code is treated as a first-class research output?

Publishing Strategies for Quality and Impact
Kassie Dmitrieff, UNSW *(Tuesday 4:15 - 5:15 pm)*

> This session explores the academic publishing landscape and demonstrates how to develop a publication strategy for aiming to publish in the highest quality outlets and reaching your intended audience. You will be introduced to a range of tools to help equip you in planning a strategy that works for your research aims.

R-Ladies Pivot your data with Little Miss Tidyverse
Jenny Richmond, RLadies *(Tuesday 4:15 - 5:15 pm)*

> Getting your data into R and in the right format is a big stumbling block for many beginner R users. You have probably entered your data in "wide" format, but to do analysis or use packages like ggplot, R wants your data in "long" format. You will learn how to read data into R and use the new `pivot_longer` and `pivot_wider` functions from the `tidyr` package. Little Miss Tidyverse will have you pivoting your data wide to long and back again in no time!

P-Words in Science: An intro to Publication bias, P-hacking, and Pre-registration

Serje Robidoux, MQU (Wednesday 1 - 1:30 pm)(Repeat: Thursday 4 - 4:30 pm)

Have you heard the news? Science is broken! OK, maybe it's not entirely broken, but there's room for improvement. Publish or perish, publication bias, and p-hacking: pre-registration can prevent them all. Come find out what pre-registration is, why (and when) it can help, and how to get started.

Reproducibility - A few pointers

Duncan Smith, UNSW (Wednesday 1:30 - 2 pm)

HJKL: How to Vim

Aidan Wilson, Intersect (Wednesday 2 - 3 pm)

Study design concepts and tools in R

Gordana Popovic, UNSW (Wednesday 1 - 3 pm)

Study design is a vital (and often overlooked) part of successful research. We will cover the important aspects of designing experiments and studies, including calculating appropriate sample sizes and randomisation, implemented in R.

Cool Visualisations using Tableau (an introduction)

A/Prof Hume Winzar, MQU (Wednesday 4 - 4:30 pm)

Tableau is a powerful tool for creating great-looking charts and interactive dashboards. It is one of the most versatile and well-accepted data-visualisation tools in industry. Built-in API's provide access to real-time online data and static data sets in all available formats, plus integration with R and Python. This brief presentation will demonstrate some of the capabilities of Tableau and point participants toward useful resources for developing their skills. University faculty and students can download the full version of Tableau Desktop by registering for an Academic License.

Open Access Tools for researchers & making your research FAIR

Tom Honeyman & Liz Stokes, Australian Research Data Commons (Wednesday 4 - 5 pm)

Properly managed research data can facilitate research transparency and enable knowledge discovery, not to mention take the headaches out of managing data across multiple platforms, tools and services. This is an interactive discussion highlighting some of the tools and services that Ginny Barbour introduced in her rapid tour keynote. Bring your open access questions, qualms and inquiring minds!

Using Jupyter notebooks in the cloud

Sara King, AARNET (Wednesday 4 - 5 pm)

SWAN (Service for Web-based Analysis) is a service for running data analysis in CloudStor. Using only a web browser, users can perform interactive data analysis in Jupyter Notebooks via SWAN and AARNet's shared cloud computing services. If you've ever felt intimidated and/or bemused by all this Jupyter notebooks hoo-har, come along to this very friendly demo and find out how SWAN can work for you.

Research Data Management for fun and profit

Mattias Liffers, Australian Research Data Commons (Wednesday 4:30 - 5 pm)

Research data management is like recycling soft plastics. We all know we should do it, but that doesn't necessarily translate into fun routines, or future enterprises. Yet many institutions, funders, and publishers want you to manage your data well - and prove that you have. How can you make this process work for you, rather than be just another hurdle to getting on with your research?

Accuracy, Efficiency and Reproducibility for real number computations

A/Prof Rob Womersley, UNSW (Wednesday 4:30 - 5 pm)

This is a general talk looking at some of the common pitfalls when using floating point arithmetic to approximate computations with real numbers. In the context of high performance computing critical factors are the desired accuracy (for your application), efficiency (time/memory) and reproducibility of the computations, especially in the context of parallel (multi-core, GPU) architectures

Safety and ethics of artificial intelligence in healthcare

Farah Magrabi, MQU (Thursday 1 - 1:30 pm)

The full benefits of artificial intelligence in healthcare will not be realised unless it can be safely and ethically integrated into clinical and consumer practice. This presentation will examine the safety risks and ethical challenges that AI poses spanning issues such as data ownership and privacy, through to the very nature of the doctor-patient relationship.

Human health and artificial intelligence: can the two go hand in hand?

Shlomo Berskovsky, MQU (Thursday 1:30 - 2 pm)

In recent years, we have witnessed tremendous progress in Artificial Intelligence and Machine Learning research. These technologies have been applied in many domains and areas, including in health and medical applications. These applications, however, require an increased attention and caution, as they have the potential to impact the health and lives of human patients. In this presentation we will briefly overview several research activities on the intersection of health and artificial intelligence, carried out at the Australian Institute of Health Innovation at Macquarie University.

Languages Showdown: Python, R, JULIA, Matlab - Rapid Fire

Intersect/UNSW Restech/Mathworks (Thursday 2 - 3 pm)

Not sure which language is for you? In this showdown we'll cover the differences between R, Python, Matlab and Julia. In which disciplines are these languages found and why? What are the quirks and strengths of each language.

Network Movers Challenge:
Sara King, AARNet (Thursday 1 - 3 pm)

> If you've ever wondered the best time of day for data transfer, or speculated on the practicalities of transferring massive amounts of sensor data across the country, this is a session for you! Come along to this session and get stuck into the practical and nitty gritty aspects of moving data for research.

Science Communication: Some tips for translating tech and research to your grandma.
Nathaniel Butterworth, USYD (Thursday 4:30 - 5 pm)

Data processing with Python Pandas vs Dask: an introduction
Sergio Pintaldi, USYD (Thursday 4:30 - 5 pm)

> Nowadays data processing is essential in every field of research and science. Python Pandas can help in the manipulation of data even for large amount of samples. Dask completes Pandas framework by adding parallelisation to data processing and make it a proper "Big Data" tool.

Hands on with Deep Learning and IoT *(By registration only)*
Emmanuel Blanchard/Cindy Chen, Mathworks (Thursday 4 - 5 pm)

> Let's get started with Deep Learning and the Internet of Things! We'll do hands-on exercises: you'll use a webcam and a neural network to recognize images, aggregate data, and run real-time IoT analytics. Our goal to get you excited about IoT and Deep Learning, and to set you up for success with maker projects in your community after the conference. Bring your laptop!

Mindfulness and Wellbeing
Tiffany Macdonald, UNSW (Thursday 4 - 5 pm)

- Overview of mindfulness meditation and the Yoga tradition including benefits of practicing
- Tools and techniques for the above
- Brief overview of Ayurveda – plus tips for wellbeing during change of seasons
- Techniques on how to perform pranayama (breath practice), explanation of benefits
- Closing with simple practise of Nadi Shodana (alternate nostril breathing) – approx. 5-10 minutes.

Lightning talks (5 and 15 mins)

Tuesday 1 - 2pm
(15) Transparency and Reproducibility- *Shawn Ross, MQU*
(5) Show Your Working: Enabling Reproducible Research with Electronic Notebooks - *David Jung, UNSW*
(5) Code Review to Enhance Research Training, Collaboration, and Communication - *Lindsay Peterson, UNSW*
(15) Library/Data/Software Carpentries Primer - *Darya Vanichkina, USYD/Liz Stokes, ARDC*
(5) Messi(ng) with RDM - *Adrian Chew, UNSW*

Tuesday 4 - 5:15 pm

(15) Delivering an Integrated Climate Science Program in NSW Government - *Kathleen Beyer, DPIE*
(5) Germinating in a Warming World: Tropical Plants are More at Risk - *Alexander Sentinella, UNSW*
(5) Spoken Language Processing - *Kimiko Tsukada, MQU*
(5) Easy Way to Analyse Neurophysiological Data - *Suzan Dilara Tokac, MQU*
(5) Influence of Social Media for e-cigarette Uptake Among the Youth - *Samia Amin, MQU*
(5) Does Your Mood Affect Your Bones? - *Abhijit Chowdhury, UoN*

Wednesday 4 - 5:15 pm

(5) Fancy a (free) trip to Germany? Opportunities for International Summer School Data Science at University of Goettingen - *Huong Ly Tong, MQU*
(5) A quick survey of surveys: considerations for choosing the right survey platform for your research - *David Jung, UNSW*
(5) Experiences of Registered Nurses with Refugee backgrounds - *Harrison Ng Chok, WSU*
(5) Interactive Visualisation for real time analysis - *Malcolm Ramsay, USYD*
(5) Coding for the Library - *Ben Casimir, UTS*

Thursday 4 - 4:45 pm

(15 min) Library/Data/Software Carpentries Primer - *Darya Vanichkina, USYD/Liz Stokes, ARDC/Brian Ballstun Stanton, MQU/Mattias Liffers, ARDC*
(5 min) R for Reporting? FAIR and Data Journalism - *Andreas Mertin, UTS*
(5 min) Data Retention: How long do I have to keep this thing anyway? - *Jake Surman, UNSW*

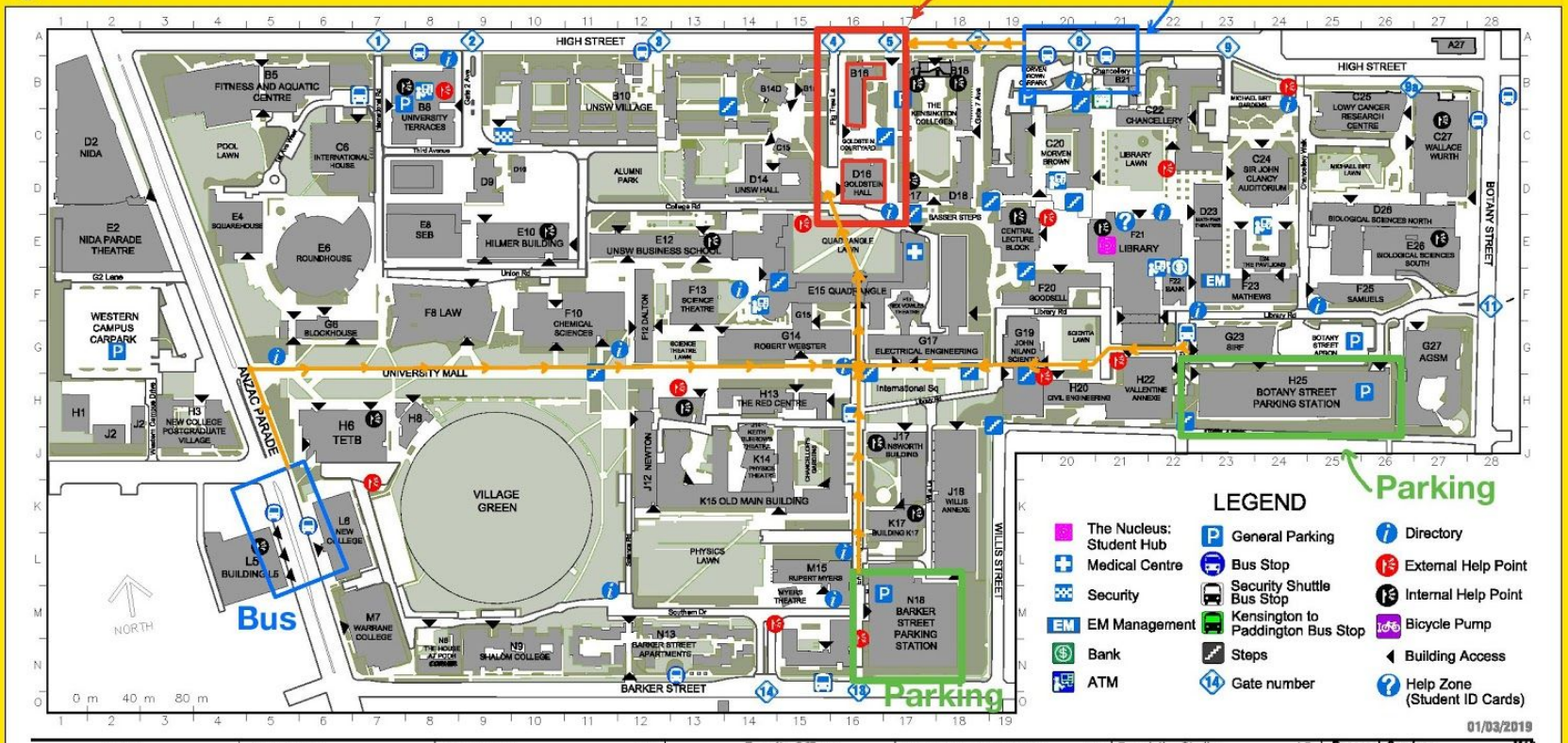
Sponsors

UNSW SYDNEY
THE UNIVERSITY OF SYDNEY
MACQUARIE University
aws | RONIN
Google Cloud
UNIVERSITY OF WOLLONGONG AUSTRALIA
INTERSECT RESEARCH FASTER
NSW GOVERNMENT Planning, Industry & Environment
Australian Research Data Commons
Microsoft
WESTERN SYDNEY UNIVERSITY
ACU AUSTRALIAN CATHOLIC UNIVERSITY
une University of New England
MathWorks

Venue Map

UNSW SYDNEY

Kensington Campus



Buildings

AGSM	G27
Ainsworth Building	J17
Biological Sciences North	D26
Biological Sciences South	E26
Blockhouse	G6
Building D10	D10
Building L5, 223 Anzac Parade	L5
Chancellery	C22
Chemical Sciences	F10
Civil Engineering	H20
Colombo House	B16
Computer Science	K17
Dalton	F12
Dangerous Goods Store	F17A
Electrical Engineering	G17
Golf House, 38 Botany Street	A27
Hilmer Building	E10
John Goodsell	F20
John Niland Scientia	G19
Law	F8
Library	F21
Lowy Cancer Research Centre	C25
Mathews	F23
Mathews Arcade	E24a
Morven Brown	C20
Newton	J12
NIDA	D2
Old Main	K15
Pavilions	E24
Quadrangle	E15
Red Centre	H13
Robert Webster	G14
Roundhouse @ Unibar	E6
Rupert Myers	M15
Sam Cracknell Pavilion	H8
Samuels	F25
Science and Engineering	E8
SIRF	G23
Squarehouse	E4
Tyree Energy Technologies	H6
Valentine Annexe	H22
Wallace Wurth	C27
Willis Annexe	J18
University Regiment	H1
UNSW Business School	E12

Student Accommodation

Barker Apartments	N13
Basser College	D17
Colombo House	B16
Creston College	A25
Fig Tree Hall	B18
Goldstein College	B17
Goldstein Hall	D16
International House	C6
New College	L6
New College Postgrad. Village	H3
Philip Baxter College	D18
Shalom College	N9
Warrane College	M7
University Terraces	B8
UNSW Hall	D14
UNSW Village	B10
UNSW Residential Communities	B17

Faculty Offices

Arts and Social Sciences	C20
Built Environment	H13
Engineering	K17
Law	F8
Medicine	C27
Science	F12
UNSW Business School	E12

Theatres

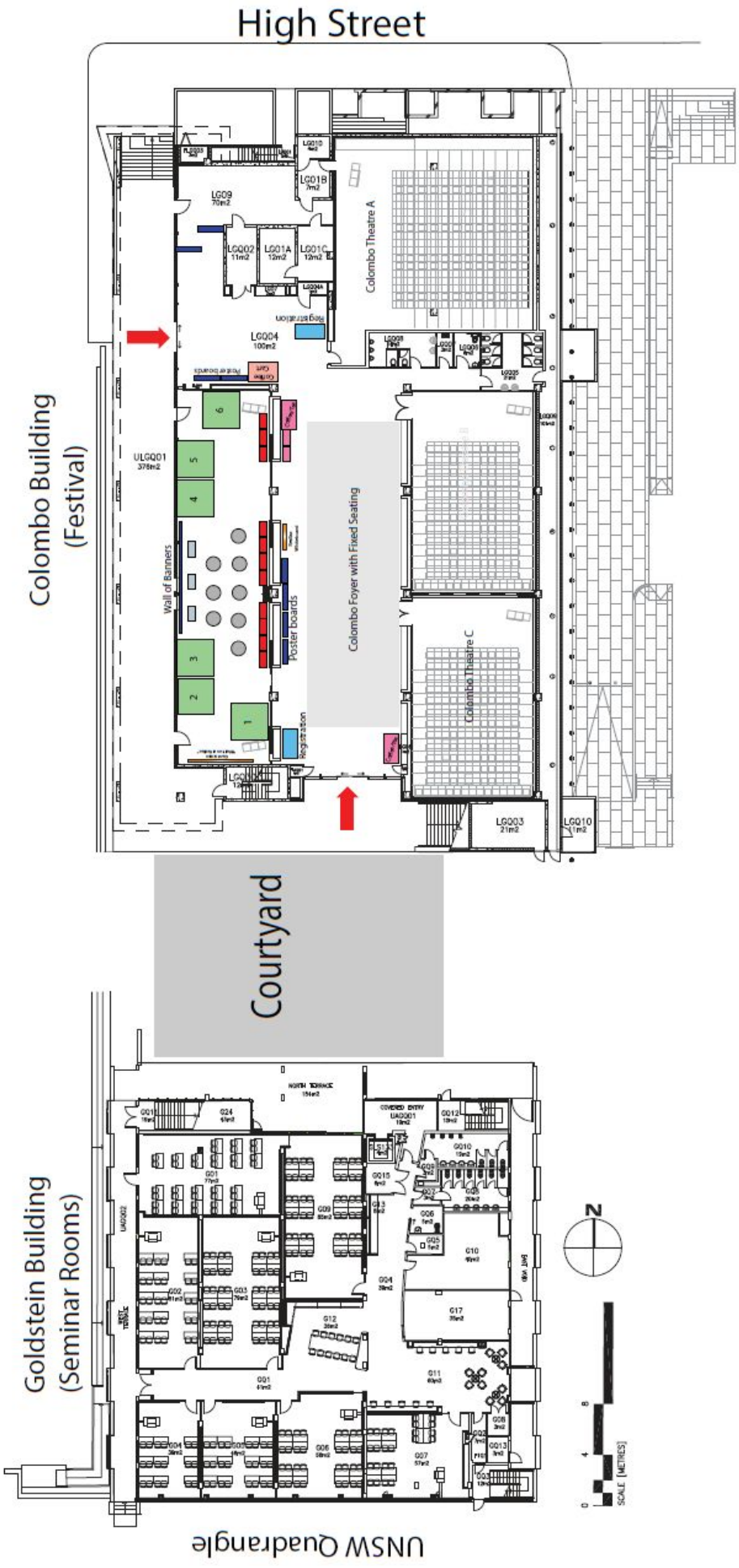
AGSM Theatres	G27
Allens	F8
Central Lecture Block	E18
Chemical Sciences Theatres	F10
Civil Engineering (Room G1)	H20
Clancy Auditorium	C24
Colombo Theatres	B16
Fig Tree Theatre	B14d
Gonski Levy Theatre	F8
IO Myers Studio	D9
Keith Burrows Theatre	J14
Law Theatres	F8
Macauley Theatre	E15
Mathews Theatres	D23
New South Global Theatre	G14
Old Main Theatres (Room 112)	K15
Parade Theatres	E2
Physics Theatre	K14
Red Centre Theatre	H13
Rex Vowels Theatre	F17
Ritchie Theatre	G19
Rupert Myers Theatre	M15
Webster Theatres	G15
Science Theatre	F13
Building D10 - Studio 1	D10

Services

Accommodation Services	C18
Alumni Association	C22
Arc @ UNSW	D17
Careers and Employment Office	E15
Chaplains	E4
Co-op program & Scholarship	F21
Counselling Service	E15
Educational Support Service	F20
Equity and Disability Unit	F20
Estate Management	F23
Foundation Studies	L5
Freehills Law Library	F8
Future Students Office	H13
Graduate Research School	M15
Help Zone (Student ID Cards)	F21
Human Resources	C22
Institute of Languages	L5
IT Service Desk	F21
Kingsford Legal Centre	F8
Learning & Teaching Unit @UNSW	F21
Library	F21
Lifestyle Clinic	A27
Mail Centre	F23
Marketing Development	C22
New South Innovations	M15
Nura Gili - Balnaves Place	J17
Optometry Clinic	M15
Physiotherapy Clinic	B8
Post Office	F22
Print Centre	F23
Religious Centre	E4
Research Services	M15
Security	B10
Sports Association	H8
Study Abroad and Exchange	F20
Squash Courts	B7
Swimming Pool	B4
The Learning Centre	C22
Unisuper	B8
University Health Services	E15
UNSW Admissions	F21
UNSW Bookshop	E15
UNSW International Student Centre	H13
UNSW Residential Communities	B17
UNSW Scholarships	F21
UNSW Fitness and Aquatic Centre	B5
The Nucleus: Student Hub	F21
Venues and Events	F23

Childcare Centres

Kangas House, 52 Barker St	O14
House at Pooh Corner	N8
Tigger's Honeypot, 22 Botany St	BS22
Owl's House, 9 Kennedy St	KS9


High Street
Colombo Building
(Festival)
Colombo Theatre A
Colombo Foyer with Fixed Seating
Colombo Theatre C
Wall of Banners
Poster boards
Registration
Courtyard
Goldstein Building
(Seminar Rooms)
UNSW Quadrangle
N
SCALE (METRES)

Day 1: Tuesday 10 September

Registrations
Foyer, UNSW Colombo Building (map reference B16)
Fig Tree Lane near UNSW Gate 4 on High Street

9:00am - 10:00am

Concurrent Sessions Commence in Assigned Rooms
Goldstein Building (D16)

10:00am - 12:00pm

Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 6
Python Carpentries (Pt1) *Lead: Brian Ballsun-Stanton*	**R Vs Python Vs Matlab Vs Julia** *Lead: Aidan Wilson*	**R Carpentries (Pt1)** *Lead: Evan Mathews*	**THATCamp** *Lead: Rachel Hendery*	**REDCap Intro Topics** *Lead: Olya Ryjenko*	**Library Stream Orientation** *Columbo Theatre C (B16)* **11:00am-12:00pm** *Lead: Liz Stokes*

Lunch (for Training Attendees)
Goldstein Foyer (D16)

12:00pm - 1:00pm

Concurrent Sessions Commence in Assigned Rooms
Goldstein Building (D16)

1:00pm - 2:55pm

Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 6
Python Carpentries (Pt2) Lead: Brian Ballsun-Stanton	**Quick Intro to JULIA** *Lead: Anastasios Papaioannou*	**R Carpentries (Pt2)** *Lead: Evan Mathews*	**THATCamp** *Lead: Rachel Hendery*	**Library & Research Support** **Train the Trainer: Advocating Impact** *UNSW & UOW*	

ResBaz Festival Open
12:00pm - 5:00pm

Resbaz Poster Networking Session
Colombo Foyer (B16)

12:00pm - 1:00pm

University/Industry Booths
Colombo Rooms LG01 and LG02 (B16)

12:00pm - 5:00pm

Lightning Talks
Colombo Theatre A (B16)

1:00pm - 2:00pm

(15) Transparency and Reproducibility
(Shawn Ross, MQU)
(5) Show Your Working: Enabling Reproducible Research with Electronic Notebooks
(David Jung, UNSW)
(5) Code Review to Enhance Research Training, Collaboration, and Communication
(Lindsay Peterson, UNSW)
(15) Library/Data/Software Carpentries Primer
(Darya Vanichkina, USYD/Liz Stokes, ARDC)
(5) Messi(ng) with RDM
(Adrian Chew, UNSW)

Festival Presentations
Colombo Theatre A

2:00pm - 3:00pm

Intro to NVivo
(Peta Ryan, UNE)

Writing Reproducible Manuscripts in R Markdown
(Deborah Apthorp, UNE)

Colombo Theatre A (B16)

3:00pm - 4:15pm

Welcome to ResBaz Sydney 2019
(Luc Betbeder-Matibet, UNSW)
Keynote: Adopting a Reproducible Workflow While Seeping your Sanity: A Transition Timeline
(Danielle Navarro, UNSW)
Sponsor talk: AWS/RONIN
(Nathan Albrighton, RONIN)

Lightning Talks
Colombo Theatre A

4:15pm - 5:15pm

(15) Delivering an Integrated Climate Science Program in NSW Government
(Kathleen Beyer, DPIE)
(5) Germinating in a Warming World: Tropical Plants are More at Risk
(Alexander Sentinella, UNSW)
(5) Spoken Language Processing
(Kimiko Tsukada, MQU)
(5) Easy Way to Analyse Neurophysiological Data
(Suzan Dilara Tokac, MQU)
(5) Influence of Social Media for e-cigarette Uptake Among the Youth
(Samia Amin, MQU)
(5) Does Your Mood Affect Your Bones?
(Abhijit Chowdhury, UoN)

Festival Presentations
Colombo Theatre B (B16)

4:15pm - 4:45pm

Take Up TOP! – A Crowd-Sourced Initiative to Improve the Transparency and Openness of Published Research
(Matthew Bagg and Aidan Cashin, NeuRA)

Festival Presentations
Colombo Theatre B

4:45pm - 5:15pm

Get recognition for your code - software citation in practice.
(Mattias Liffers, ARDC)

Festival Presentations
Colombo Theatre C (B16)

4:15pm - 5:15pm

Publishing Strategies for Quality and Impact
(Kassie Dmitrieff, UNSW)

Hacky Hour Zone
Back Section (B16)

4:15pm - 5:15pm

Festival Workshop
Goldstein G09 (D16)

4:15 - 5:15pm

R-Ladies Meetup & Tidyverse Workshop
(Jenny Richmond, R-Ladies)

Day 2: Wednesday 11 September

Registrations
Foyer, UNSW Colombo Building (map reference B16)
Fig Tree Lane near UNSW Gate 4 on High Street

9:00am - 10:00am

Concurrent Sessions Commence in Assigned Rooms
Goldstein Building (D16)

10:00am - 12:00pm

Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 6
Python Carpentries (Pt3) *Lead: Brian Ballsun-Stanton*	**Data Visualisation in R (Pt1)** *Lead: Anastasios Papaioannou*	**R Carpentries (Pt3)** *Lead: Evan Mathews*	**THATCamp** *Lead: Rachel Hendery*	**REDCap Advanced Topics** *Lead: Aidan Wilson*	**GIS in R (Pt1)** *Lead: Darya Vanichkina*

Lunch (for Training Attendees)
Goldstein Foyer (D16)

12:00pm - 1:00pm

Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 6
Python Carpentries (Pt4) *Lead: Brian Ballsun-Stanton*	**Data Visualisation in R (Pt2)** *Lead: Anastasios Papaioannou*	**R Carpentries (Pt4)** *Lead: Evan Mathews*	**THATCamp** *Lead: Rachel Hendery*	**Library & research support** **Train the Trainer: walk the data talk** *USYD & UTS* *Lead: Phillippa Bourke*	**GIS in R (Pt2)** *Lead: Darya Vanichkina*

ResBaz Festival Open
12:00pm - 5:00pm

University/Industry Booths
Colombo Rooms LG01 and LG02 (B16)

12:00pm - 5:00pm

Festival Presentations
Colombo Theatre A

1:00pm - 2:00pm

(30) P-Words in Science: An intro to Publication bias, P-hacking, and Pre-registration
(Serje Robidoux, MQU)
(30) Reproducibility - A few pointers
(Duncan Smith, UNSW)

Festival Presentations
Colombo Theatre A

2:00pm - 3:00pm

(60) HJKL: How to Vim
(Aidan Wilson, Intersect)

Festival Workshop
Colombo Theatre C

1:00pm - 3:00pm

Study design concepts and tools in R
(Gordana Popovic, UNSW)

Colombo Theatre A (B16)

3:00pm - 4:00pm

Keynote: Skills for 21st century researchers
(Ginny Barbour, AOASG)
Sponsor talk: Intersect Australia
(A/Prof Ric Lovell, WSU/Dr. Jonathon Arthur, Intersect Australia)
Sponsor talk: Microsoft
(Auda Eltahla, Microsoft)

Lightning Talks
Colombo Theatre A (B16)

4:00pm - 4:30pm

(5) Fancy a (free) trip to Germany? Opportunities for International Summer School Data Science at University of Goettingen
(Huong Ly Tong, MQU)
(5) A quick survey of surveys: considerations for choosing the right survey platform for your research
(David Jung, UNSW)
(5) Experiences of Registered Nurses with Refugee backgrounds
(Harrison Ng Chok, WSU)
(5) Interactive Visualisation for real time analysis
(Malcolm Ramsay, USYD)
(5) Coding for the Library
(Ben Casimir, UTS)

Festival Presentations
Colombo Theatre B (B16)

4:00pm - 4:30pm

Cool Visualisations using Tableau (an Introduction)
(A/Prof Hume Winzar, MQU)

Festival Presentations
Colombo Theatre C (B16)

4:00pm - 5:00pm

OA Tools for Researchers and Making Your Research FAIR
(Tom Honeyman & Liz Stokes, ARDC)

Hacky Hour Zone
Colombo Back Section (B16)

4:00pm - 5:00pm

Double Trouble!
UTS + UNSW hacky hours join forces to bring you a super hacky hour for socio-techno support

Festival Presentations
Colombo Theatre A (B16)

4:30pm - 5:00pm

Research Data Management for fun and profit
(Mattias Liffers, ARDC)

Festival Presentations
Colombo Theatre B (B16)

4:30pm - 5:00pm

Accuracy, Efficiency and Reproducibility for real number computations
(A/Prof Rob Womersley, UNSW)

Festival Workshop
Goldstein G09

4:00 - 5:00pm

Using Jupyter notebooks in the cloud
(Sara King, AARNET)

Day 3: Thursday 12 September

Registrations
Foyer, UNSW Colombo Building (map reference B16)
Fig Tree Lane near UNSW Gate 4 on High Street

9:00am - 10:00am

Concurrent Sessions Commence in Assigned Rooms
Goldstein (D16) Building

10:00am - 12:00pm

Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 6
Carpentries (UNIX) *Lead:William McLean*	**Data Visualisation in Python (Pt1)** *Lead: Anastasios Papaioannou*	**SQL** *Lead: Brian Ballsun-Stanton*	**THATCamp** *Lead: Rachel Hendery*	**Regex** *Lead: Aidan Wilson*	**GIS in R (Pt3)** *Lead: Darya Vanichkina*

Lunch (for Training Attendees)
Goldstein Foyer (D16)

12:00pm - 1:00pm

Concurrent sessions commence in assigned rooms
Goldstein (D16) Building

1:00pm - 2:55pm

Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 6
Carpentries (Git) *Lead:William McLean*	**Data Visualisation in Python (Pt2)** *Lead: Anastasios Papaioannou*	**SQL** *Lead: Brian Ballsun-Stanton*	**THATCamp** *Lead: Rachel Hendery*	**Library & research support** **Train the trainer: FAIR enough** *UNSW & USYD* *Lead: Maude Frances*	**GIS in R (Pt4)** *Lead: Darya Vanichkina*

ResBaz Festival Open
12:00pm - 5:00pm

University/Industry Booths
Colombo Rooms LG01 and LG02 (B16)

12:00pm - 5:00pm

Festival Presentations
Colombo Theatre A

1:00pm - 2:00pm

(30) Safety and ethics of artificial intelligence in healthcare
(Farah Magrabi, MQU)
(30) Human health and artificial intelligence: can the two go hand in hand?
(Shlomo Berskovsky, MQU)

Festival Presentations
Colombo Theatre A

2:00pm - 3:00pm

(60) Languages Showdown: Python, R, JULIA, Matlab - Rapid Fire
(Intersect/UNSW Restech)

Festival Workshop
Colombo Theatre B

1:00pm - 3:00pm

Network Movers Challenge
(Sara King, AARNet)

Colombo Theatre A (B16)

3:00pm - 4:00pm

Keynote: Stop, collaborate and listen: Research partnerships in the digital humanities
(Rachel Hendery, WSU)
Sponsor talk: Google Cloud Platform
(Austin Shen, Chironix)

Lightning Talks
Colombo Theatre A

4:00pm - 4:30pm

(15 min) Library/Data/Software Carpentries Primer
(Darya Vanichkina, USYD/Liz Stokes, ARDC/Brian Ballstun Stanton, MQU/Mattias Liffers, ARDC)
(5 min) R for Reporting? FAIR and Data Journalism
(Andreas Mertin)
(5 min) Data Retention: How long do I have to keep this thing anyway?
(Jake Surman)

Festival Presentations
Colombo Theatre B

4:00pm - 4:30pm

P-Words in Science: An intro to Publication bias, P-hacking, and Pre-registration (Repeat)
(Serje Robidoux, MQU)

Hacky Hour Zone
Colombo Back Section (B16)

4:00pm - 5:00pm

Festival Presentations
Colombo Theatre A

4:30pm - 5:00pm

Science Communication: Some tips for translating tech and research to your grandma
(Nathaniel Butterworth, USYD)

Festival Presentations
Colombo Theatre B

4:30pm - 5:00 pm

Data processing with Python Pandas vs Dask: an introduction
(Sergio Pintaldi, USYD)

Festival Workshop(s)
Goldstein Building (D16)
4:00 - 5:00pm

Hands on with Deep Learning and IoT
(Emmanuel Blanchard/Cindy Chen, Mathworks)
Goldstein G09 (D16)

Mindfullness and Wellbeing
(Tiffany Macdonald, UNSW)
Goldstein G03 (D16)

Compute Day: Friday 13 September

Intro to Compute Day
Colombo Theatre A (map reference B16)

9:00am - 9:30am

Concurrent Sessions Commence in Assigned Rooms
Colombo Building

9:30am - 12:30pm (morning tea at 11:00am)

Stream 1	Stream 2	Stream 2b	Stream 3
NCI	Google Cloud Platform	Microsoft Azure	Intro to Linux HPC

Lunch
Colombo Foyer (B16)

12:30pm - 1:15pm

Concurrent Sessions Commence in Assigned Rooms
Colombo Building (B16)

1:15pm - 4:15pm

Stream 1	Stream 2	Stream 3
Pawsey	Amazon Web Services/ Ronin	Managing and pre-processing messy data with MATLAB
UNSW: Katana		Deep Learning and Reinforcement Learning Workflows in AI
		Speeding up MATLAB Applications

End of Compute Day

4:30pm