25 YEARS

SRTL-13   Maleny, Australia - 25 June - 1 July 2023

SRTL-13: FINAL ANNOUNCEMENT

Theme: Reconceptualising data and data-ing

9 June 2023

Dear SRTL-13 friends,

Galang meng (good day in DuulJidjawu language – pronounced "Gull-un men")

It is a pleasure to welcome you as a participant in the Thirteenth International Research Forum on Statistical Reasoning, Thinking and Literacy (SRTL-13)!

We are happy to email you the latest information about the SRTL-13 meeting be held in Maleny, Queensland, Australia from June 25 to July 1 at Tranquil Park Hotel. We look forward to your participation and hope that the following information will help you in preparing for this gathering.

In this final announcement, we provide information about:

- Airport pickups for your arrival and departure at Brisbane International Airport
- Presentation format
- SRTL-13 invited participants
- SRTL-13 schedule
- Instructions for discussants
- Google Drive information
- Publication
- Travel guide: Climate, clothing, electricity, currency, weights & measures, insurance, tax and tipping, time, and visas

In preparation for SRTL-13, it is very important that all participants *read the entire set of front-end papers* before arriving to allow the focus during presentations to be on discussing data, analysis, and implications. The front-end papers are available at this link. We will NOT provide hard copies of any readings, unless you make a special request. We assume participants will review materials on their computers or mobile devices.

We look forward to welcoming you to a stimulating and interesting meeting in Maleny Queensland.

Wishing you safe and stress-free travel,

Dani Ben-Zvi	Jill Fielding	Katie Makar	Jennifer Noll
Co-chair	Local Organiser	Co-chair & Local Organiser	Co-Chair

LOCAL ORGANIZING COMMITTEE

Jill Fielding
School of Education
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University of New England,
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Australia
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Local Organizing Committee roles:

Excursions, registration, journal publication etc.: **Ask Jill**
Accommodation, transport, scientific program: **Ask Katie**
Anything else: **Ask either Katie or Jill**

Thank you to our Sponsors and SRTL-13 Scientific Program Committee!

SPONSORS

A sincere thank you to the sponsors who have helped to make the Research Forum possible. So far, this includes:
- the Faculty of Humanities, Arts, Social Sciences and Education at the University of New England, Armidale, Australia
- School of Education at The University of Queensland

SRTL-13 SCIENTIFIC PROGRAM COMMITTEE

By reviewing the proposed papers, the members of the Scientific Program Committee have helped to shape the scientific program of SRTL-13.

- Dani Ben-Zvi – University of Haifa, Israel
- Rolf Biehler – Paderborn University, Germany
- Rob Gould – University of California, Los Angeles, USA
- Sibel Kazak – Middle East Technical University, Turkey
- Katie Makar – The University of Queensland, Australia
- Jennifer Noll – TERC, USA
- Maxine Pfannkuch – The University of Auckland, New Zealand
- Andee Rubin – TERC, USA

IMPORTANT DATES

All participants are required to attend the entire Forum programme. The programme will begin on Sunday June 25 at 4pm. Meetings will take place through to Saturday July 1 at noon, interspersed with local excursions around the Sunshine Coast hinterlands.

June 10, 2023	Final Announcement: Full Scientific and social program. Summary papers made available to participants. 50% cancellation fee after June 1.
June 25, 2023	Check-in to rooms at 2pm. SRTL-13 begins at 4pm.
July 1, 2023	SRTL-13 Concludes at noon.
September 30, 2023	Advise Jill of details of corresponding author for each article for the ZDM special issue. This cannot be changed after this time.
November 1- 30, 2023	Submission window for ZDM special issue

TRAVEL

The SRTL-13 Research Forum will be held in Maleny Queensland. We will organise transport from Brisbane International Airport (BNE). Katie will email you directly about your pick-up time at the Brisbane International Airport. If your flight comes via another Australian city (e.g., Sydney), alert Katie ASAP so that we go to the correct airport. The travel to Maleny from Brisbane is approximately 100km and will take about 1 ½ hours.

On 1 July, we will transport those wishing to return to Brisbane city or Brisbane International Airport following the Forum. If you wish to stay in Maleny or are not leaving on 1 July, then you will need to organise your own transfer to the Brisbane International Airport. Remember that you must be at the airport 3 hours before your scheduled departure time, and the airport is not in the city. Therefore, if your flight is leaving in the morning, you may want to consider one of the following airport hotels.

- Ibis budget $124, 5 km, 3 star)
- Ibis $214 (1.7km, 3 star)
- Kingsford Brisbane Airport Hotel, near restaurant area on river ($229, 7.3km, 4 star, with breakfast)
- Novotel ($287, 1.1 km, 4 star)
- Pullman Hotel ($311, 1.1 km, 5 star)

If you are planning on sightseeing or visiting Brisbane (named one of Time Magazine 50 World's Greatest Places 2023), you would be better advised to book a hotel in the city or Southbank (cultural, shopping and dining area on the river near the city).

Please liaise with local organisers if you have any queries/issues regarding transport from Brisbane and advise us if your plans change.

PREPARING FOR ENTRY INTO AUSTRALIA

Customs: Australian border security is **very strict** as Australia is free of many biosecurity hazards present in other countries and these hazards could threaten extensive agriculture-based primary industries. Please declare everything on your incoming passenger card (provided on the flight) as penalties are quite severe. As a guide, processed foods are generally acceptable but you will likely need to dispose of raw fruits, vegetables, unpasteurized dairy and meat products. Prescription medications are fine but have them in their packets with the pharmacy label.

Visas: Australia's visa system is a little complicated and depends upon your purpose of visit, length of stay and country of passport. The best way to determine which visa you require is at: https://immi.homeaffairs.gov.au/visas/getting-a-visa/visa-finder/visit. Check 'attending a conference or expo' as your main event, and then continue to answer questions (e.g. country of passport) until you are advised of your visa requirements.

Letters of invitation: Participants who need an official letter of invitation should email their request to srtlmailbox@gmail.com.

Cancellations: If you are unable to attend, inform us as soon as possible. Cancellation incurs a 50% cancellation fee.

VENUE AND ACCOMODATION

We will be staying at the Tranquil Park Hotel (3 stars) in Maleny in the beautiful Sunshine State of Queensland (https://tranquilpark.com.au, 483 Mountain View Road, Maleny, Queensland 4552). The Scientific Meeting will be held in the conference venue onsite at the hotel. All rooms contain an ensuite bathroom, wifi, refrigerator and kettle. Registration was all-inclusive of accommodation, meals, transfers to/from Maleny and excursions. Remember that electricity in Australia is 220V (not 110V, as in USA). See section at the end on adapting from to 220 voltage.

PUBLICATION

We will publish a special issue on *Data and Data-ing* in the journal ZDM – Mathematics Education as an option for publication of papers presented at SRTL-13. The editorial team will be Jill Fielding, Dani Ben-Zvi and Katie Makar. More details (e.g., formatting, editorial guidelines, etc.) are in the Instructions to Authors circulated with this announcement. Please note the character count as this is very strict and includes spaces. Also note, ZDM is a single blind journal so there is no need to prepare a blinded manuscript. There is no template, but you must use APA7 formatting (read the instructions to authors for formatting guidelines). Submissions will be due in November 2023 and the special issue will appear as the first issue in 2025. ZDM will provide submission links directly to corresponding authors. Therefore, it is important that the corresponding author for each article be notified to Jill (jill.fielding@une.edu.au) by the end of September 2023.

INVITED PARTICIPANTS

	Name	Country	Role
1	Alyssa Hu	USA	Presenter
2	Amelia McNamara	USA	Presenter
3	Andee Rubin	USA	Presenter
4	Carl Sherwood	Australia	Presenter
5	Dani Ben-Zvi	Israel	SRTL Co-chair, co-author
6	Jill Fielding	Australia	Local Organiser, Presenter
7	Katie Makar	Australia	SRTL Co-chair, Local Organiser
8	Kym Fry	Australia	Presenter
9	Lonneke Boels	The Netherlands	Presenter
10	Lucia Zapata-Cardona	Colombia	Presenter
11	Matthew Beckman	USA	Statistician-in-residence, co-author
12	Neil Hatfield	USA	Co-Author
13	Pip Arnold	New Zealand	Discussant
14	Rolf Biehler	Germany	Discussant
15	Sibel Kazak	Turkey	Presenter
16	Susanne Podworny	Germany	Presenter
17	Tim Erickson	USA	Discussant
18	Yannik Fleischer	Germany	Presenter

THE SCIENTIFIC PROGRAM

The working language of the Forum is English. All participants will be able to upload and access the Forum materials from the "SRTL-13" Google SHARED DRIVE (email Dani if you are not able to access it). Use this folder to upload/access presentations, front-end papers, transcripts, photos and other things you'd like to share. It is expected that all participants will have read the papers prior to the Forum.

The activities of the scientific program include:
- Invited keynote from the statistician-in-residence on opening night (60 minutes)
- Daily opening session for reflection on the presentations and discussions of the previous day (30 minutes).
- Research presentations to the entire group, including both long presentations (90 minutes) and short presentations (30 minutes), organised into daily thematic clusters. Presentations include interactive whole group discussion and a small set of illustrative video excerpts.
- Small group discussions around each cluster's thematic topic facilitated by a "SMOD" (small-group moderator) (60 minutes).
- Optional interactive meeting/s devoted to discussing projects of participants, short workshops or topical discussions proposed during the Forum.
- Streamed review session of presentations open to SRTLers unable to attend (similar to the pre-SRTL forum format, see details below).
- Panel presentation by the discussants (60 minutes) on the closing day.
- 'Looking back and looking forward' summary session on closing day (~2 hours).

Outreach events

Special outreach events may be live-streamed during the week for SRTLers unable to join us or if others that you/they want to invite. Links will be sent to the broader SRTL mailing list.

- Sunday's Opening Keynote
- Friday's Review session (SRTL community)
  To give those unable to come to SRTL-13 a summary similar in style to SRTL-13 Pre-Forum presentations in February 2023. Please prepare *or update* during SRTL your Pre-Forum slide with the following three points: Research question, Insights, New ideas to explore (based on discussions over the week)
- Saturday's Discussants' Panel by Pip Arnold, Rolf Biehler and Tim Erickson.
- Singing and dancing with Dani (SRTL community) – note preparation
  Our last opportunity to sing and dance with Dani at SRTL! Please consider bringing a song to sing or share that is meaningful to you. Add your song to this Google Slides stack.

Tentative schedule

Day 1: Sunday 25 June 2023

MOD of the day: **Lucia**

12:00pm	Transfer by car or minibus from Brisbane International Airport or Brisbane city
2:00pm	Check-in at Tranquil Park Hotel, free time
4:00pm	Welcome to Country, drinks/reception
5:15pm	Introduction, Opening Keynote by Matthew Beckman and discussion
7:00pm	Light dinner at the hotel

Day 2: Monday 26 June - Data and data-ing for citizenship

MOD of the day: **Tim**

7:00am	Breakfast at the hotel, optional walk/physical activities (eg chi kong)
8:30am	Morning reflection
9:00am	Long presentation #1 – Lucia *Public engagement of underserved students with civic open data*
10:30am	Morning tea
11:00am	Long presentation #2: Jill *The role of argument when students use data and data-ing to seek insight into an environmental issue*
12:30pm	Lunch
1:30pm	Visit nearby Maleny Botanic Gardens for small group discussions and afternoon tea
4:30pm	Optional Session #1 and free time
7:00pm	Dinner at hotel (with murder mystery game)

Day 3: Tuesday 27 June – Data and data-ing with variables

MOD of the day: **Susanne**

7:00am	Breakfast at the hotel, optional walk or physical activities
8:30am	Morning reflection
9:00am	Long presentation #3 – Sibel *Preservice mathematics teachers' variable defining as part of data-ing process with image-based data*
10:30am	Morning tea
11:00am	Short presentation #1 – Amelia *Conceiving of variables in a data-rich world*
11:30am	Small group discussions
12:30pm	Lunch
1:30pm	Depart for My Dilly Bag, Aboriginal bush food workshop with afternoon tea
4:30pm	Optional Session #2, mid-week discussion and free time
7:00pm	Dinner at hotel
8:00pm	Singing and dancing with Dani!

Day 4: Wednesday 28 June – What do we mean by data and data-ing?

MOD of the day: **Sibel**

7:00am	Breakfast at the hotel, optional walk/physical activities
8:30am	Travel to Eumundi Markets
noon	Lunch at Eumundi Hotel
1:00pm	Leave to return to hotel
2:30pm	"Morning" reflection in the arvo
3:00pm	Short presentation #2 – Alyssa *Exploring how novices and experts engage in CT with data*
3:30pm	Afternoon tea
4:00pm	Short presentation #3 – Lonneke *Citizens' use of contemporary data in their daily life*
4:30pm	Short presentation #4 – Carl *Contextualised storytelling: broadening the notion of what is data and data-ing*
5:00pm	Small group discussions
6:00pm	Short break
6:30pm	Dinner in Montville
8:00pm	Return to hotel

Day 5: Thursday 29 June – Data and data-ing in science

MOD of the day: **Yannik**

7:00am	Breakfast at the hotel, optional walk or physical activities
8:30am	Morning reflection
9:00am	Long presentation #4 – Kym *Classroom data science: Encoding plant growth in bivariate data displays in the primary years*
10:30am	Morning tea
11:00am	Long presentation #5 – Andee *Data-ing in the context of high school science*
12:30pm	Lunch
1:30pm	Small group discussions
2:30pm	Depart for local bush walk and afternoon refreshments
5:00pm	Drinks and early dinner at Brouhaha in Maleny
7:00pm	Return to hotel

Day 6: Friday 30 June – Classification with data and data-ing

MOD of the day: **Matt**

7:00am	Breakfast at the hotel, optional walk or physical activities
8:30am	Morning reflection
9:00am	Long presentation #6 – Susanne *Young students' engagement with data to establish decision rules*
10:30am	Morning tea
11:00am	Long presentation #7 – Yannik *Teaching and learning about predictive modeling with data based decision trees in high school level*
12:30pm	Lunch
1:30pm	Small group discussions
2:30pm	Streamed Review session
3:30pm	Travel to Mooloolaba; walk on beach, free time in Mooloolaba
6:00pm	Drinks and Final Dinner in Mooloolaba
8:00pm	Leave to return to hotel

Day 7: Saturday 1 July

MOD of the day: **Andee**

7:00am	Breakfast at the hotel, optional walk or physical activities
8:00am	Discussants' Panel: Pip, Tim, and Rolf
9:00am	Looking back
10:00am	Morning tea
10:30am	Looking forward; closing
12:00pm	Lunch
1:00pm	Final departure for Brisbane

INSTRUCTIONS FOR PRESENTERS

Front-end papers have been uploaded to the SRTL-13 Google Shared Drive (look in your Shared Drive for SRTL-13) and you can expect that participants will have read your paper before arriving. Therefore, there is no need to repeat what you have in your paper; focus your time on the data and discussion. You can place your presentation slides into your named folder in the Presentations folder in the SRTL-13 Google Shared Drive.

Presentation format

The scientific program groups presentations thematically into clusters. A cluster consists of:
- 2-3 presentations (long and short), combined with
- small group discussion (60 min), and
- reflection discussion (30 min on the following day).

This structure allows each presenter to share the details of their research with the entire group, and in addition, permits the entire group to process the research findings and substantively interact with the cluster topic.

The main meeting room is equipped with data projector, speakers and internet access.

Long presentations will be 90 minutes long: 60 min for presentation and 30 minutes for discussion (not necessarily as two blocks). Presenters of long presentations are encouraged to present short excerpts of video clips (if available) and bring hand-outs in hardcopy and/or digital format of transcribed interviews/observations or other materials as needed. All materials must be uploaded to the SRTL-13 Google Shared Drive Folder. In the presentation, just a small subset of short research video will be presented. All presenters are requested to bring a back-up of their video segments on a USB flash drive and/or on their laptop (bring several formats just in case one does not work). There is also the possibility to store the video segments in the SRTL-13 Google Shared Drive Folder.

Short presentations will be 30 minutes long: 15 min for presentation and 15 minutes for discussion (not necessarily as two blocks). Presenters are requested to prepare their slides accordingly in a concise and clear format, and to include discussion questions. We assume there is no room for video clips in such a short time, however if you wish to show one, please make sure it is no more than 1-2 min long, and provide a transcript. All materials should be uploaded to the designated SRTL-13 Google Shared Drive folders.

ADDITIONAL OPTIONAL SESSIONS

You may wish to lead an optional session on a topic of interest, give a workshop or share information about a project. There will be a sign-up sheet available during the Forum for two 30-45 minutes slots available on the first two days. Upload your presentation to your **Presenter's Materials folder** in the SRTL-13 Shared Drive.

OTHER INFORMATION

Emergency

EMERGENCY phone number is 000 and you will be required to state what service you require – Ambulance, Police or Fire.

If you need medical or dental assistance, one of the local organisers can assist.

Use of electrical appliances in Australia

Australian electricity runs on 220-240 V and 50 Hz. Please make sure your electronics accept 220 – 240 volts (V). Note, this is more than twice the voltage used in many countries, including the US. An adaptor allows you to connect a foreign plug into an Australian outlet but may not be sufficient to convert a device to Australian electricity. A voltage converter may be required for this purpose.

iPhones:

Apple's iPhone chargers work with voltage anywhere in the world. All that is needed is a mechanical adapter so that the plug fits into the receptacle. If your adapter has a 5v USB outlet it should work.

Clothing

The clothing for SRTL-13 is casual, comfortable. It is difficult to advise on warmth of clothing as some people will find the weather chilly and others warm depending of where you are from. You will typically experience temperatures from about 20 degrees Celsius (~70°F) during the day down to about 10 degrees Celsius (~50°F) at night. A must is shoes that are comfortable for walking and a light rain jacket. Maleny is considered sub-tropical; you are coming in the dry winter season, however, there are no guarantees. There will be an opportunity to walk into the ocean if you wish to bring shorts.

Tipping

Tipping is not customary but is appreciated by restaurants and taxi drivers, particularly if you had good service. However, it is quite typical to merely 'round up' a little. E.g. if a taxi fare is $46.50, you might tell the driver to 'keep the change'. Restaurants and bars will often have a 'tip jar', again, you might drop your change in if you paid in cash. Due to COVID however, the use of cash has become far less frequent in most parts of Australia and EFTPOS (tapping your card) is far more common.

Tax

A 10% Goods and Services Tax is payable in Australia on non-essential items. However, this is factored into the cost of the item and you will not pay an additional amount at the checkout. The exception of course is at Duty Free stores at the Airport or in Brisbane City Centre.

AUSSIE language (And those S's are hard – like z̲ebra not like s̲ailor!)

Yes, we speak English but also – no we don't. While our official language is English, there are a few slang terms (apparently) that can throw some visitors.

American English -> Australian/British English

- Breakfast -> Brekkie
- Starter -> Entrée (served before a main meal as it is an 'entry' to the main)
- Entrée -> Main meal
- Cookies -> Biscuits
- Soda or pop -> Soft drink
- Burger King -> Hungry Jacks
- McDonalds -> 'Maccas'
- Grocery store -> supermarket
- Drug store -> Chemist or Pharmacy
- Trash -> Rubbish - therefore Trash Can -> Rubbish Bin (or just Bin)
- Fanny pack -> Bum bag (the use of the former will result in giggles and we can explain if you want/need to know)
- Flip flops -> Thongs (ie footwear)
- Gas -> Petrol / Fuel (I will fill the car with petrol/diesel – I am going to fuel up); the latter one also refers to a person about to eat – to fuel themselves)
- Trunk -> Boot (you will put your luggage/bags in the boot of the car)
- Woods -> Bush
- Afternoon -> Arvo
- Americano coffee -> long black, if you want your latte, cappuccino etc made with skim/low fat milk – ask for it skinny ie a skinny cappuccino

Milk: Reduced-fat: contains approximately 2% milk fat. Low-fat: contains less than 1.5% milk fat. No-fat/skim: contains at most 0.15% milk fat. Half and half? Just no.

THE REGION

Maleny is situated in the hinterlands of the Sunshine Coast and boasts a range of boutique shops, creative arts and crafts, its dairy industry, and natural beauty including magnificent views to the Sunshine Coast and the famous Glasshouse Mountains – so named by Lieutenant James Cook who, on viewing them from the ocean when navigating the Australian coastline, thought they resembled the glassmaking foundries in Yorkshire, England. Of course, the Australian Aboriginal people had named them a long time prior to 1770 and it is largely by their traditional names (and the odd nickname) that they are known. The National Heritage List of mountains in the area of the Glass House Mountains National Park is Beerwah (556 metres); Coonowrin (Crookneck) (377 metres); Tibrogargan and Cooee (364 metres and 177 metres); Ngungun (253 metres); the Coochin Hills (235 and 230 metres); Miketeebumulgrai 199.5m; and Elimbah (Saddleback) 109m. In addition, there are a further three areas

Beerburrum (278 metres); Tunbubudla (the twins) (294 and 338 metres); and Tibberoowuccum (220 metres).

A number of these are popular with hikers and climbers while others have been closed to the public for safety. Further, we are requested not to climb others out of respect for their cultural heritage and sacredness to the Aboriginal peoples of the region, the Jinibara and Kabi Kabi people. The mountains in the SRTL-13 logo are Mt Tibrogargan to the left and Mt Coonowrin to the right, the latter known colloquially as 'crookneck' due to the partial exposure of its bent over volcanic plug at the summit.

The Traditional Owners of Maleny and parts of the surrounding area are the Jinibara People. The Jinibara People are the mountain people. Their name means "people of the lawyer vine" (bara meaning "people" and Jini meaning "lawyer vine"). They are therefore the traditional people who live in the mountains and valleys where lawyer vine grows. Their rights have been formally asserted by the Native Title Tribunal. This land remains unceded.

While locals would not consider this a time of year for swimming (southern hemisphere winter), the average temperature is 21 degrees Celsius (70 degrees Fahrenheit) and the water in Queensland is typically warm. Be warned that the beaches do have strong tidal flows and rips and it is advised to swim only in lifeguard patrolled sections of beaches. Yellow and red flags delineate patrolled sections.

Wildlife

Yes, Australia is home to the world's deadliest everything. We know and we are proud! However, a statistically significant number of us make it to adulthood so don't be too concerned. Snakes are in hibernation during winter and none of the venomous or bitey sea creatures head to the mountains. You may well see kangaroos (roos) or wallabies, wombats, echidnas, sugar gliders, possums (we have a very cute variety) and so on. All of these will attempt 10 different ways to get away from you and will only resort to trying to harm you if cornered or if you poke at them (or if you have watched too many cartoons and think you can actually box a kangaroo). There are platypus in the Ranges but they are extremely shy and unlikely to show themselves if any noise at all is made. If you are interested in birds, this area plays host to a myriad of colourful parrot species (e.g. Australian King Parrot, the Pale-headed Rosella and the Crimson Rosella) as well as numerous water birds (e.g. darters, pelicans, jacana and ducks).

Our plants also make up for the venomous creatures - none of them will cause significant irritation unless you happen to have some sort of allergy – ie there is no poison ivy, oak or sumac. So, when walking in the bush, relax.