

“a(R)t is the engine for change”

Salzburg, Austria 

Audrey Yeo

keynote at useR! 2024

**Great minds do not
think alike. They
challenge each other to
think again**

– Adam Grant

Audrey Yeo



All Are Welcome Here ❤



Zürich R User Group



This presentation has ALT text and as much as possible, uses colour-blind friendly palettes

Code for this Quarto-rendered .html will also be shared

Events *PAST*

- R Ladies Meet up dinner
- R Ladies Birds of a Feather Lunch
- Inclusive Pathways to Life Sciences and Tech careers

Events NEW

- rainbowR and Allies Lunch today at 12h30-13h30 :

"rainbowR is a community that supports, promotes and connects LGBTQ+ people who code in the R language. We run monthly online meetups and also run a buddy scheme. <https://rainbowr.netlify.app>"



**Rule 10: Make the
conference part of a
long-term process for
inclusion**

Inclusive Speaker Orientation

- Linux Foundation

Diversity refers to the vast array of human differences especially those that have been HISTORICALLY disadvantaged

Inclusion refers to systems that ACTIVELY include and support individuals regardless of their identities

Who am I ?

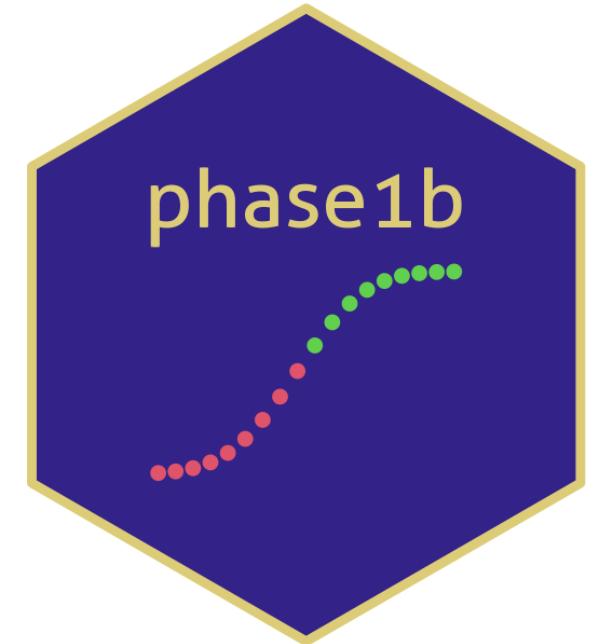
Just another human multi-hyphenate doing my best.

Clinician-Poet-
Statistician-Software Engineer

...

Healthcare, Finance,
Academia, Pharma ...

Cycling, Swimming,
Bouldering, Poetry...



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Why are we here ?

A good conference experience can make a difference in the professional development of the participants and create long-lasting collaborations and opportunities

(Joo et al, 2022)

Our vision here at useR!2024

improve accessibility for the wider community such that they can participate and feel safe

regardless of gender,
gender identity,
sexual orientation,
disability, race, ethnicity, age, religion
or economic status...

How do we...

Create long-lasting collaborations and opportunities (Joo et al, 2022)

&&

A safe space at the useR!2024 conference

&&

Make the conference part of a long-term process for inclusion ?

How ?

1. Code of conduct - read it.

Be Kind. Be Respectful.

2. The Arts

"A raintree bent towards a window in one side of the bungalow, eavesdropping on the conversations that had taken place inside over years."

– Tan Twan Eng, The Garden of Evening Mists

Be Kind. Be Respectful. Be Curious.

Statisticians in History

Florence Nightingale war eine britische Krankenschwester, Statistikerin, Begründerin der modernen westlichen Krankenpflege ...
– Wikipedia

Statisticians

From sources across the web

	C. R. Rao 1920–2023	▼
	Jerzy Neyman 1894–1981	▼
	David Cox 1924–2022	▼
	Carl Friedrich Gauss 1777–1855	▼
	William Sealy Gosset 1876–1937	▼
	William Playfair 1759–1823	▼

	Ronald Fisher 1890–1962	▼
	John Tukey 1915–2000	▼
	Florence Nightingale 1820–1910	▼
	Bradley Efron	▼
	W. Edwards Deming 1900–1993	▼
	Bruno de Finetti 1906–1985	▼

	Karl Pearson 1857–1936	▼
	Thomas Bayes 1702–1761	▼
	Adolphe Quetelet 1796–1874	▼
	Francis Galton 1822–1911	▼
	David Blackwell 1919–2010	▼
	John Graunt 1620–1674	▼

On Florance Nightingale:

"Their principle, if logically carried out, is simply to throw out all ages and all diseases and then there would be no mortality whatever."

Why we need Diversity in Statistics

Because we need to keep solving the world's most urgent problems in
Medicine, Climatology, Sociology ... we need everyone onboard :

Ronald, John, Bruno, Carlo, David and more ...

Quote inclusively

Quote her ...

Quote they/them ...
as well.

Learn something ... “new”

What if I told you that you had Missing information about the world, about the future and about yourself ?

"What Health Care is Learning From the Aviation Industry" (Martha K. Swartz, PhD, RN, CPNP, FAAN)

People are more than 1 thing

"The single story creates stereotypes, and the problem with stereotypes is not that they are untrue, but that they are incomplete. They make one story become the only story."

- Chimamanda Ngozi Adichie, Nigerian writer

Assume you have different realities from others

"I did not think of myself as black and I only became black when I came to America."

- Chimamanda Ngozi Adichie, Nigerian writer

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Recommended Books

(Also in the useR DEI Booklist)

1. African/Black/Asian : Resmaa Menakem My grandmother's hands 2017
2. Deaf : Nora Ellen Groce Everyone here spoke sign language 1985
3. General : Judith Heumann Being Heumann 2020
4. Deaf/blind : Haben Girma Haben: The Deafblind Woman Who Conquered Harvard Law 2019

In summary

1. Read the Code of Conduct
2. Open yourself up to Missing Information
3. Quote inclusively
4. Drop by the rainbowR and Allies Lunch
5. We make decisions all the time based on incomplete information. These decisions can change lives. - Be Curious
6. Take the Inclusive Speaker orientation course (Linux Foundation)

After the conference

I hope that beyond the conference,
that you continue your work, and make your work
part of a long-term process for inclusion

Great minds do not think alike.

- Adam Grant

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Thank you and take your time

"Sometimes taking the time is a shortcut"

- Haruki Murakami, What I talk about when I talk about running.

Backup slides

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Ten rules to make conferences more accessible (Joo et al 2022):

1. Set a vision for DEI
2. Create a safe and welcoming environment
3. Gather an inclusive and diverse organizing team
4. Consciously counteract bias in the conference program
5. Design a strong online component
6. Making the conference accessible to people with disabilities
7. Make room for the linguistic diversity
8. Build an inclusive communication strategy
9. Allocate adequate financial resources to support inclusion goals
10. Make the conference part of a long-term process for inclusion

References

- Code for this presentation [here](#)
- Joo R, Sàncchez-Tapia A, Mortara S, Bellini Saibene Y, Turner H, Hug Peter D, et al. (2022) Ten simple rules to host an inclusive conference. PLoS Comput Biol 18(7): e1010164. [link](#)
- Inclusive Speaker Orientation
- The danger of a single story [link](#)
- Swartz M, (2015) What Health Care is Learning From the Aviation Industry, J Pediatr Health Care. (2015) 29, 1-2. [link](#)
- Wilf-Miron R, Lewenhoff I, Benyamin Z, Aviram A (2023), From aviation to medicine: applying concepts of aviation safety to risk management in ambulatory care, Qual Saf Health Care; 1 2:35–39 [link](#)
- Bradshaw NA (2020) Florence Nightingale (1820–1910): An Unexpected Master of Data [link](#)
- Adam Grant [tweet here](#)