Data Visualisation with R

Emi Tanaka
Lecturer in Statistics
Monash University

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🐦 @statsgen

About your instructor

- I moved to Melbourne in Jan 2020 to start my job at Monash

- I teach R at university courses as well as use it daily for research and hobby 🤖

- If you ever wonder who answers those stackoverflow questions, I'm one of those magic fairies 📋

- My main statistical application is agriculture and bioinformatics; these days I do more software

About your instructor

Di Cook
Professor of Business Analytics
Monash University

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🐦 @visnut

- In July 2015 I moved home to Australia after many years of education and work in the USA

- I have been using R since it first emerged from Auckland, NZ in 1995, and I am an elected member of the R Foundation 🧹

- I am one of four editors of the R Journal editorial team that publishes articles about R packages 📕

- My main statistical application areas are sports, ecology and bioinformatics; and I like to develop new software

Danyang Dai
Research & Teaching Assistant
Monash University

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About your helper

- I am Research/Teaching Assistant at Monash. I teaches Data visualisation and Statistical Thinking.

- I volunteer at R-Ladies Melbourne and presented workshops about RMarkdown and Blogdown.

- I am currently developing introduction to R materials with Emi and working on CYCLED Study at the School of Public Health and Preventive Medicine.

Introduce yourself in the chat!

What's your profession?

Where do you live?

What's your hobby?

What's would you like for people to know about you?

Schedule for Part 1

Time	Activity
8.45-9.00	Registration + Installation Help
9.00-9.30	**Lesson 1:** Getting started with grammar of graphics
9.30-9.45	*Break out session*
9.45-10.15	**Lesson 2:** Multiple layers, facetting and tidying your data
10.15-10.30	*Break out session*
10.30-11.00	*Coffee Break*
11.00-11.30	**Lesson 3:** Scales and color
11.30-11.45	*Break out session*
11.45-12.15	**Lesson 4:** Publication-ready plots
12.15-12.30	*Break out session*

Schedule for Part 2

Time	Activity
1.30-2.00	**Lesson 1:** Check your `ggplot2` knowledge
2.00-2.15	*Break out session*
2.15-2.45	**Lesson 2:** Making maps
2.45-3.00	*Break out session*
3.00-3.30	*Coffee Break*
3.30-4.00	**Lesson 3:** Getting your plots to talk back
4.00-4.15	*Break out session*
4.15-4.45	**Lesson 4:** Determining best plot design
4.45-5.00	*Break out session* + Conclusion

Getting Started

🌐 http://emitanaka.org/datavis-workshop-ssavic/

> **If you had any issues installing any packages or software** go to:
>
> 🔗 https://rstudio.cloud/project/1487877
>
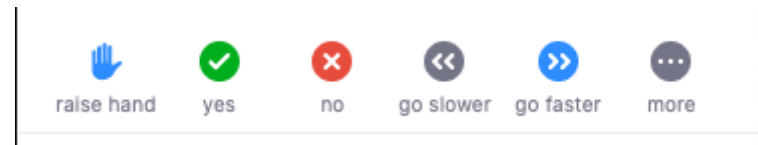> and save a permanent copy to your RStudio Cloud account for the R exercises.

⬇ Click here to download all materials as a ZIP file.

Help me!

You can write in the chat.

You can ask (unmute yourself).

You can raise hand from zoom under Participants.

We'll come around in breakout sessions.

```
devtools::session_info()

## — Session info   ➰  💐   😟  ─────────────────────────
##  hash: curly loop, bouquet, worried face
##
##  setting  value
##  version  R version 4.1.2 (2021-11-01)
##  os       macOS Big Sur 10.16
##  system   x86_64, darwin17.0
##  ui       X11
##  language (EN)
##  collate  en_AU.UTF-8
##  ctype    en_AU.UTF-8
##  tz       Australia/Melbourne
##  date     2021-11-30
## nandoc   2 11 4 @ /Applications/RStudio app/Contents/MacOS/pandoc/ (via rmarkdown)
```

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