Tidyverse + R Markdown Workshop

Introduction

Presented by Emi Tanaka

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1st Dec 2019 @ Biometrics by the Botanic Gardens | Adelaide, Australia
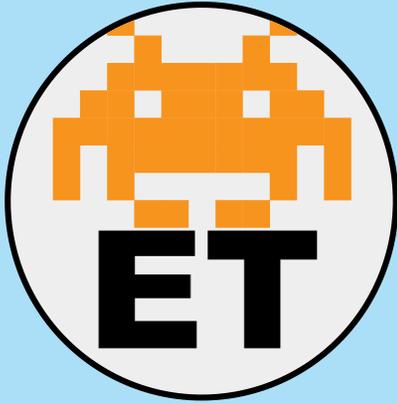
Emi Tanaka
Lecturer in Statistics
The University of Sydney

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About your instructor

- I'm moving to Monash University starting January 2020

- 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

Annie Conway
Biometrician

Biometry Hub
School of Agriculture, Food and Wine
The University of Adelaide

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Meet Annie!

- I've been working as a biometrician for one year in the Biometry Hub

- I'm interested in multivariate and high dimensional statistics, experimental design and linear mixed models.

- I've had previous experience teaching "Intro to R" to agronomy researchers

Introduce yourself to someone you don't know!

Find out their name.
What profession.
What they want to learn.
What's their hobbies.
Are they going to the conference?

03:00

Schedule: Tidyverse

Time	Activity
8.30-8.50	Registration
8.50-9.00	Welcome
9.00-11.00	**Lesson 1** Introduction + Data visualisation with `ggplot2` + Interactive graphs with `plotly`
11.00 - 11.30	*Coffee Break*
11.30 - 13.00	**Lesson 2** Data wrangling with dplyr & tidyr

Schedule: R Markdown

| Time	Activity
13.00 - 13.45	*Lunch*
13.45 - 15.00	**Lesson 3** R Markdown Basics with `rmarkdown` & `knitr`
15.00 - 15.30	*Tea Break*
15.30 - 16.30	**Lesson 4** Reproducible Reports
16.30 - 15.00	**Lesson 5** Pretty Presentations with `xaringan`

Get Started

Find slides at

🔗 https://biometrics2019.netlify.com/

ℹ️ **If you had any issues installing any packages or software** go to:

🔗 http://bit.ly/biometrics-workshop-2019

and save a permanent copy to your RStudio Cloud account for the R exercises.
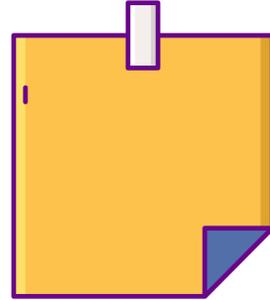
Please send SOS signal by attaching
a sticky note on your laptop

Annie or I will come to help you

Session Information

```
devtools::session_info()

─ Session info ────────────────────────
  setting  value
  version  R version 3.6.0 (2019-04-26)
  os       macOS Mojave 10.14.6
  system   x86_64, darwin15.6.0
  ui       X11
  language (EN)
  collate  en_AU.UTF-8
```

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