rbtl - Research Beyond the Lab

Reference management with Zotero

Lars Schöbitz

2022-03-10

Today

- 1. Homework Assignment 2
- 2. Reference Management Zotero
- 3. Open Source Licenses
- 4. Reproducible Research
- 5. Homework Assignment 3

• Objects that store dataframes: dat_in and dat_in_sum_day

- Objects that store dataframes: dat_in and dat_in_sum_day
- Functions: filter(), mutate(),as_date(), group_by(), summarise(), etc.

- Objects that store dataframes: dat_in and dat_in_sum_day
- Functions: filter(), mutate(),as_date(), group_by(), summarise(), etc.
- Assignment operator: <--

- Objects that store dataframes: dat_in and dat_in_sum_day
- Functions: filter(), mutate(),as_date(), group_by(), summarise(), etc.
- Assignment operator: <--
- Pipe operators: %>%

Homework Assignment 2 - Imported raw data

```
dat_link <- "https://raw.githubusercontent.com/Global-Health-Engineering/manuscri
dat_in <- read_csv(dat_link)
dat_in</pre>
```

Summarised derived data

Reference Management

Why?

- You will read a lot
- You want to stay organized
- You don't want to waste your time on formatting

Which tool?

- Mendeley
- EndNote
- Zotero
- many, many more

Which tool?

- Mendeley
- EndNote
- Zotero
- many, many more

Why Zotero?



Rest easy.

Zotero is open source and developed by an independent, nonprofit organization that has no financial interest in your private information. With Zotero, you always stay in control of your own data.

Zotero is Open Source - Why is that good?

- Free Software
- Transparent about access to your own data
- The source code that Zotero is developed in is public
- Commitment to support open software and open standards
- Zotero developers helped create the open Citation Style Langauge (CSL)

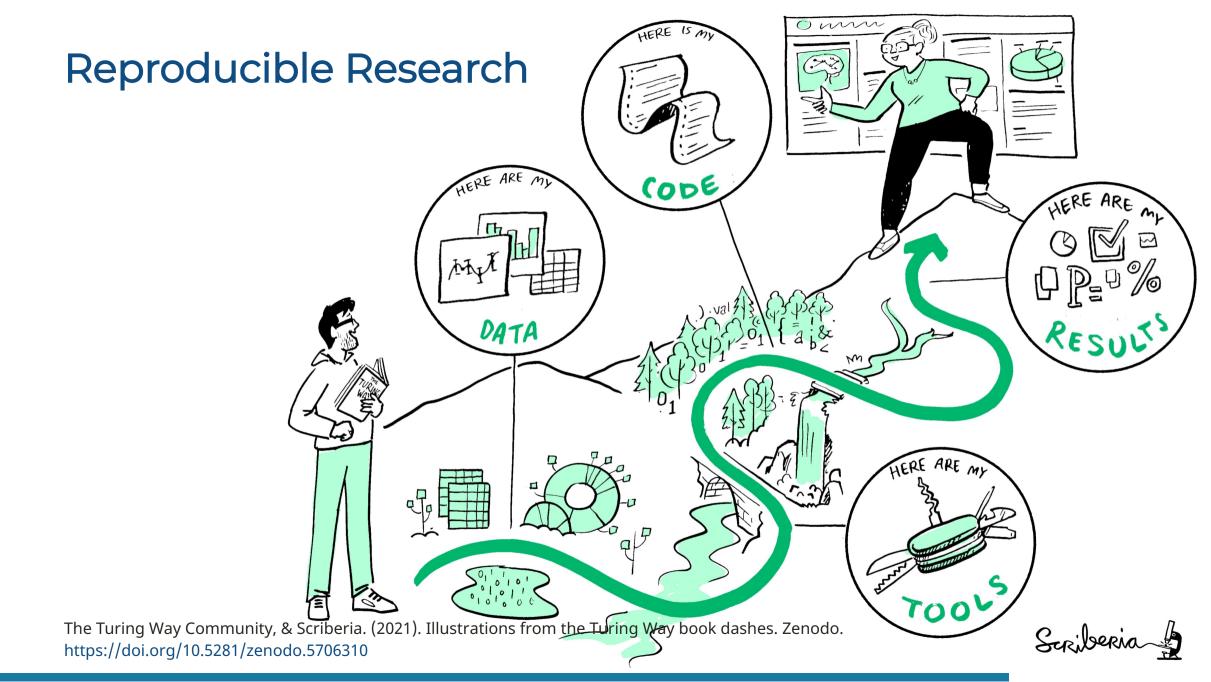
Open Source - Licenses

- Open Source isn't just code on the internet
- Use permissive licenses to allow others to reuse, remix and build upon (also for commercial purposes)
- Recommended licenses
 - Text, slides, images: Creative Commons (CC0, CC-BY, CC-BY-SA)
 - Software: MIT License, Hippocratic License, Unlicense for software
- https://tldrlegal.com/ plain english explanations of licences in bullet form.
- https://kbroman.org/steps2rr/pages/licenses.html Read Karl Broman

Open Source != Open Access

Open Source != Open Data

Open Source (Code) + Open Data = Reproducible Research



Homework Assignment 3 - Learning Objectives

These learning objectives are related to the assignment for this week.

- Learners are able to import references to a Zotero group library
- Learners can use an exported library from Zotero in Better BibTex Format to generate an automated reference list in an R Markdown file
- Learners can edit a file in the Citation File Format (.cff) to add their name to the author list

Homework Assignment 3 - Due Date

- Complete Assignment 2 before you complete Assignment 3
- Assignment 3, due on 15th March
- Readings on Reproducible Research



Slides created via the R packages:

xaringan

gadenbuie/xaringanthemer

The chakra comes from remark.js, knitr, and R Markdown.

Access slides as PDF on GitHub

All material is licensed under Creative Commons Attribution Share Alike 4.0 International.