

Code Cleaning

MK Lau, Ana Trisovic, Thomas Pasquier

January 24, 2019

- Open-source explosion
- Issues with reproducibility (R, python)
- What's easy to do?
- Needs for automated cleaning
 - Libraries and system info
 - Check paths
 - Formatting (formatR)
 - Results checking
 - Results focused code base reduction (Rclean, CodeDepends, pyCharm, encapsulator)
- Linking to capsules and continuous integration
 - Code Ocean
 - Gigantum
 - Globus
 - Whole Tale
 - COrE2
 - DatBlog
- Conclusion: low-bar to significant reproducibility, reuse and benefaction

Journal Targets

- Nature Scientific Data
- Scientific Reports
- Royal Society of Open Science
- Journal of Open Research Software

Possible co-authors:

- Chris Chen
- Margo Seltzer
- Merce Crosas