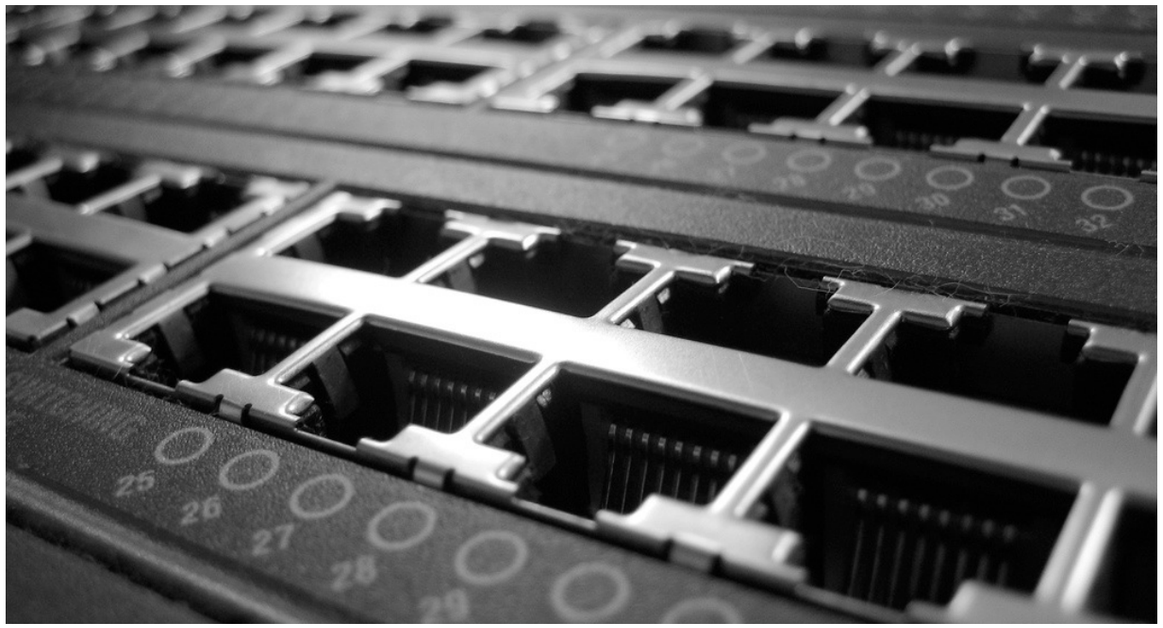


R Markdown

from RStudio

GitHub

git

GitKraken

Tools for Reproducible Research

Harvard Chan Bioinformatics Core

https://tinyurl.com/hbc-trr

Learning Objectives

- ✓ Describe methods for documenting computational analyses
- ✓ Generate reports for R-based analyses using RMarkdown
- ✓ Track changes using the Git version control system and the GitKraken tool
- ✓ Collaborate effectively, and disseminate code & other documents using Github

Exit survey

https://tinyurl.com/trr-exit

R3 at Harvard (HMS)

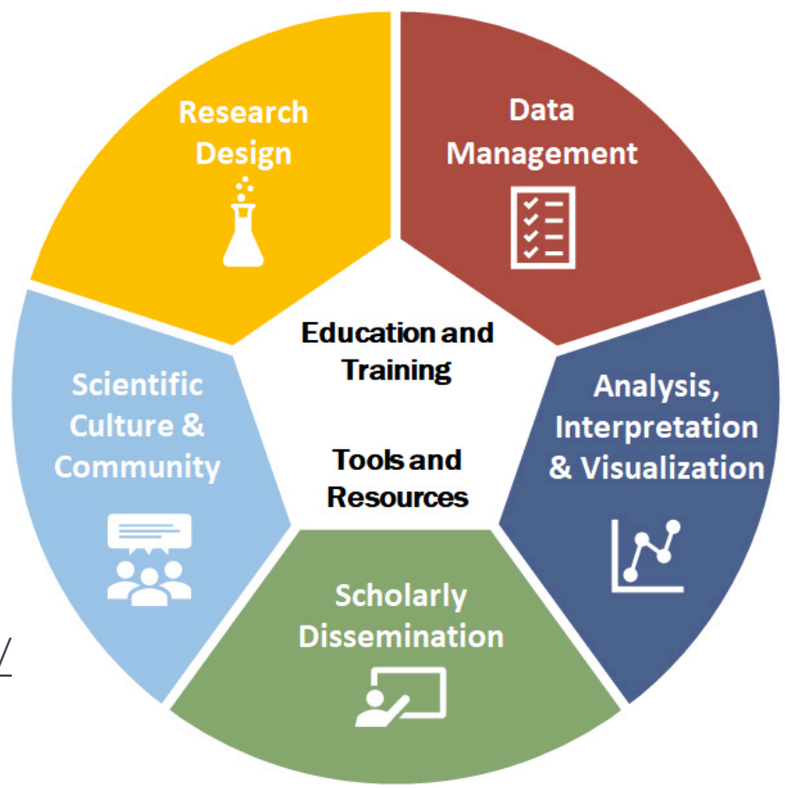
Research Rigor and Reproducibility

- **HMS R3 Effort**
- Research Design
- Data Management
- Analysis, Interpretation & Visualization
- Scholarly Dissemination
- Scientific Culture & Community
- R3 FAQs

Research Rigor and Reproducibility at HMS

Mission Statement

Advances in modern biomedical research require the continuous development of and support for a culture that advances research rigor and reproducibility (R3). HMS is committed to identifying, exploring, and supporting R3 principles relevant to our research community through cross-discipline conversations and collaborations. The HMS R3 Committee will be responsible for identifying opportunities to further support R3, with focus on organizational development, training and educational programs, and resources and tools for our students, trainees, faculty, and staff to support the continued advancement of research excellence at HMS.



https://ari.hms.harvard.edu/research-rigor-reproducibility/hms-r3-effort

Thanks!

- Julie Goldman, Countway Library
- John F. Obrycki, Boston Children's Hospital
- Bob Freeman, HBS
- Data Carpentry

Contact us!

HBC training team: hbctraining@hsph.harvard.edu

HBC consulting: bioinformatics@hsph.harvard.edu

Twitter

HBC: @bioinfocore