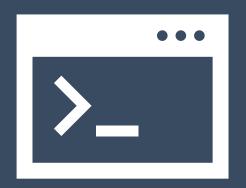
Introduction to R

https://tinyurl.com/hbc-r-qmd



Harvard Chan Bioinformatics Core



Learning Objectives

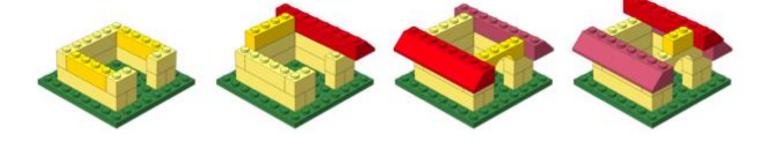


- Comfortably use RStudio (a graphical interface for R)
- Fluently interact with R using RStudio
- Become familiar with R syntax
- Understand data structures in R
- Inspect and manipulate data structures
- Install packages and use functions in R
- Visualize data using ggplot2
- Utilize pipes, tibbles and functions from the Tidyverse package suite

Exit survey

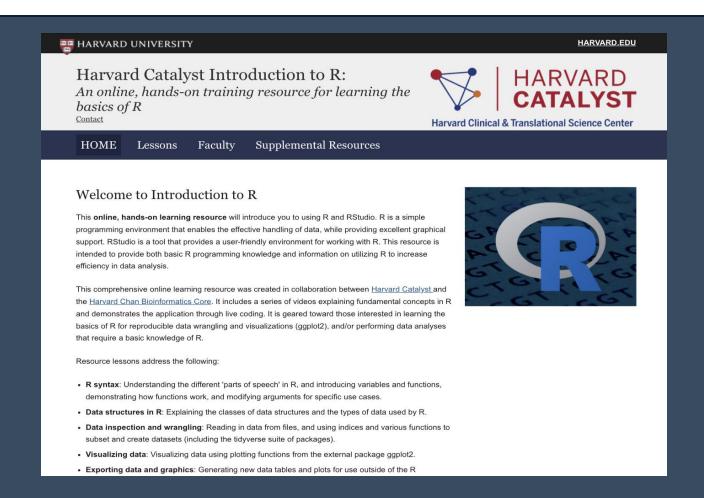
https://tinyurl.com/r-workshop-hbc

Keep building!



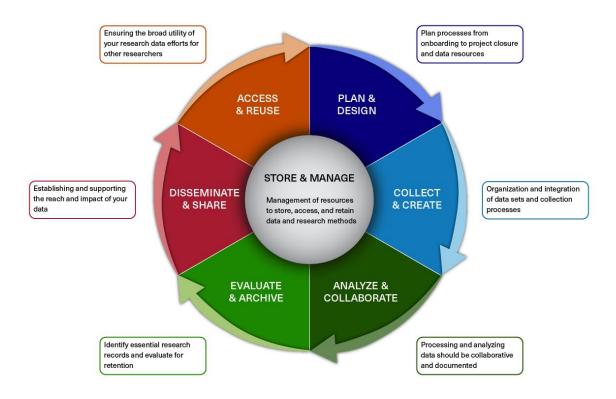
Topic	Pre-requisites	Date	Time	Registration
Generative AI	None	8/20/25	1 - 4 pm	Register now!
Foundations in Shell	None	9/17/25	1 - 4 pm	Register now!
Shell - Needle in a Haystack	Foundations in Shell	10/15/25	1 - 4 pm	Register now!
Tips and Tricks for the O2 Cluster	Foundations in Shell	11/19/25	1 - 4 pm	Register now!

Harvard Catalyst Online Resource



Research Data Management (RDM)

BIOMEDICAL RESEARCH DATA LIFECYCLE

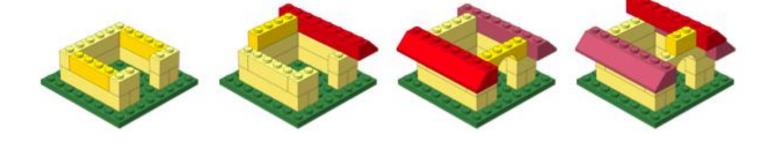


Better RDM practice benefits you

- HMS Data Management LMA
 - * Webpage: https://datamanagement.hms.harvard.edu
 - Sign up for quarterly email updates
- Harvard-wide Research data Management
 - https://researchdatamanagement.harvard.edu/

Date	Time	Event	Location
Aug 6	12pm	Data Discussions: Let's Define Data Management Roles	Zoom
Aug 7	12pm	Data Review and Cleanup: Recommendations for Project Closeout	Zoom
Aug 11	11am	Getting Started on the OSF: A Hands-on Guide	Zoom
Aug 11	2pm	protocols.io Webinar: Introduction	Zoom
Aug 13	12pm	Plotting like a Pro: Data Visualization with ggplot2	Zoom
Sep 25	10am	Which transcriptomics approach is right for you? Navigating bulk, single cell and spatial technologies	Hybrid

Keep building!



Topic	Category	Date	Duration	Prerequisites
Introduction to Peak Analysis	Advanced	August 15, 19, 22	Three 2.5h sessions	R
Introduction to single-cell RNA-seq	Advanced	September 9, 12, 16	Three 2.5h sessions	<u>R</u>
Pseudobulk and related approaches for scRNA-seq analysis	Advanced	October 21, 24, 28, 31	Four 2.5h sessions	<u>R</u>

Talk to us early!

Involvement in study design to optimize experiments



More Information

- HBC training materials: https://hbctraining.github.io/main
- HBC website: http://bioinformatics.sph.harvard.edu

Contact Us

Sign up for our mailing list:

https://tinyurl.com/hbc-training-mailing-list

- HBC training team: hbctraining@hsph.harvard.edu
- * HBC consulting: bioinformatics@hsph.harvard.edu