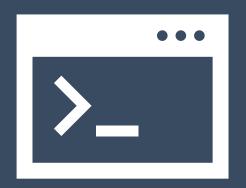
Introduction to R

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



Harvard Chan Bioinformatics Core



Learning Objectives

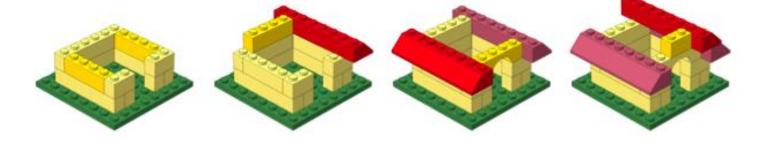


- Comfortably use RStudio (a graphical interface for R)
- Fluently interact with R using RStudio
- Become familiar with R syntax
- Understand data structures in R
- Inspect and manipulate data structures
- Install packages and use functions in R
- Visualize data using ggplot2
- Utilize pipes, tibbles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

Exit survey

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

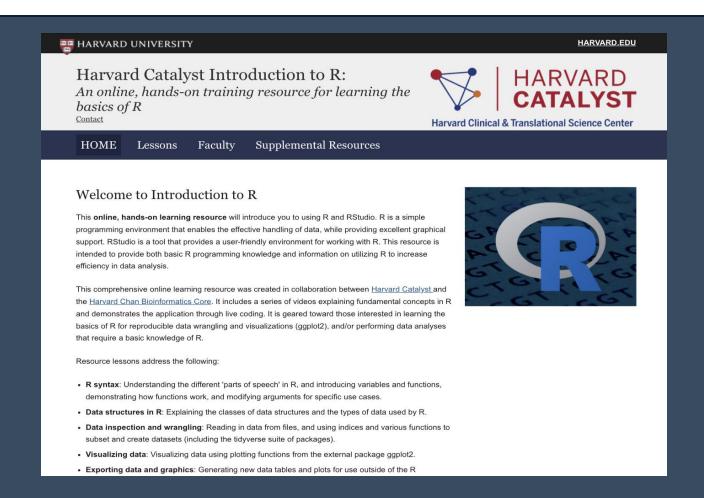
Keep building!



Topic	Pre-requisites	Date	Time	Registration
Statistics for Computational Biology Projects	None	6/18/25	1 - 4 pm	Register now!
Deeper differential expression analysis with shrinkage correction	Foundations in R	7/16/25	1 - 4 pm	Register now!

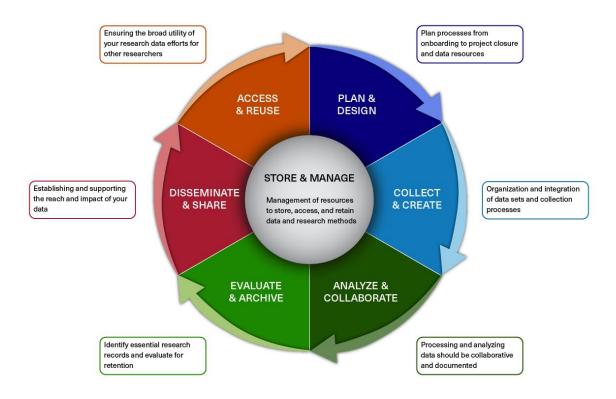
https://bioinformatics.sph.harvard.edu/current-bioinformatics-topics-workshops

Harvard Catalyst Online Resource



Research Data Management (RDM)

BIOMEDICAL RESEARCH DATA LIFECYCLE

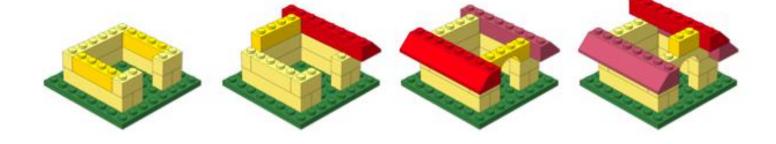


Better RDM practice benefits you

- 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/

1pm Get Ready: NIH Public Access Policy Update Zoom Jun 18 11am Get Ready: NIH Public Access Policy Update Zoom 23 Jul 9 12pm Data Discussions: Let's Talk PIDs Zoom protocols.io Webinar: Getting Credit Jul Zoom 14 12pm Data Discussions: Let's Define Data Zoom 6 **Management Roles**

Keep building!



Topic	Category	Date	Duration	Prerequisites
Introduction to Peak Analysis	Advanced	TBD	Three 2.5h sessions	<u>R</u>
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>
Tools for Reproducible Research	Advanced	November 14, 18, 21	Three 2.5h sessions	<u>R</u>

Join us for HBC Community Breakfast!

- An opportunity to get to know others in the community
- Free food and beverages
- Great conversations



TBD 9:00 to 10:30am

More Info:

http://bioinformatics.sph.harvard.edu/breakfast/

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