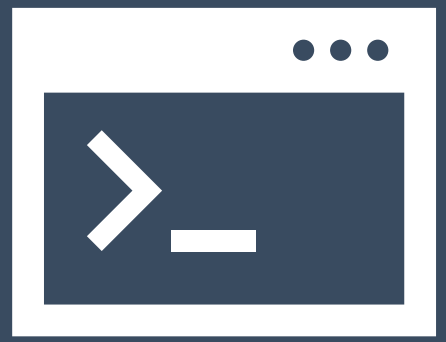
Introduction to R

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



Harvard Chan Bioinformatics Core

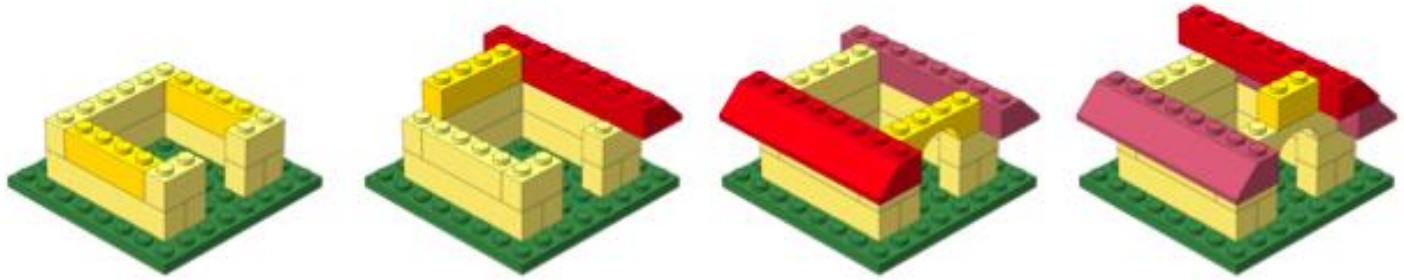
Learning Objectives

- 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

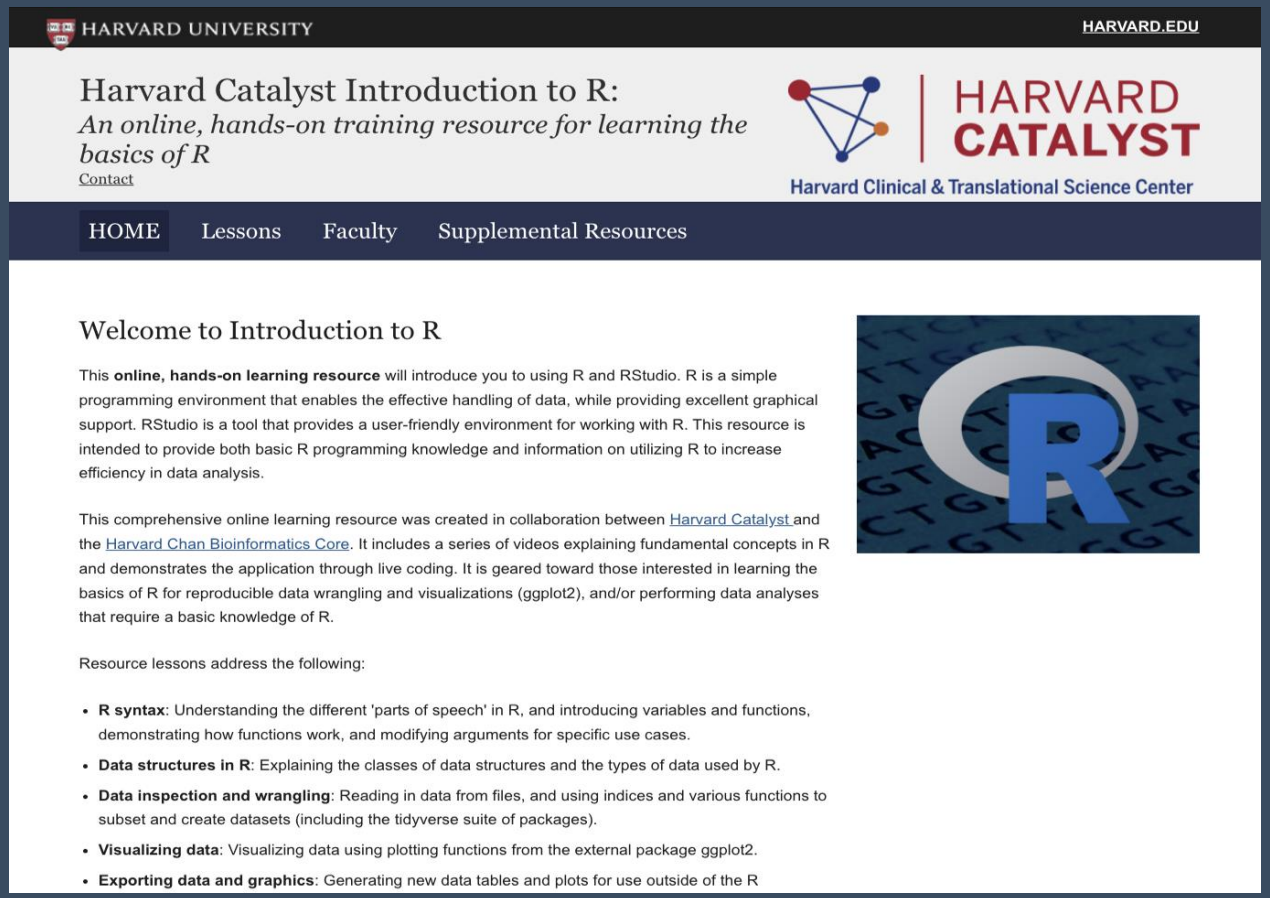
Keep building!



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!

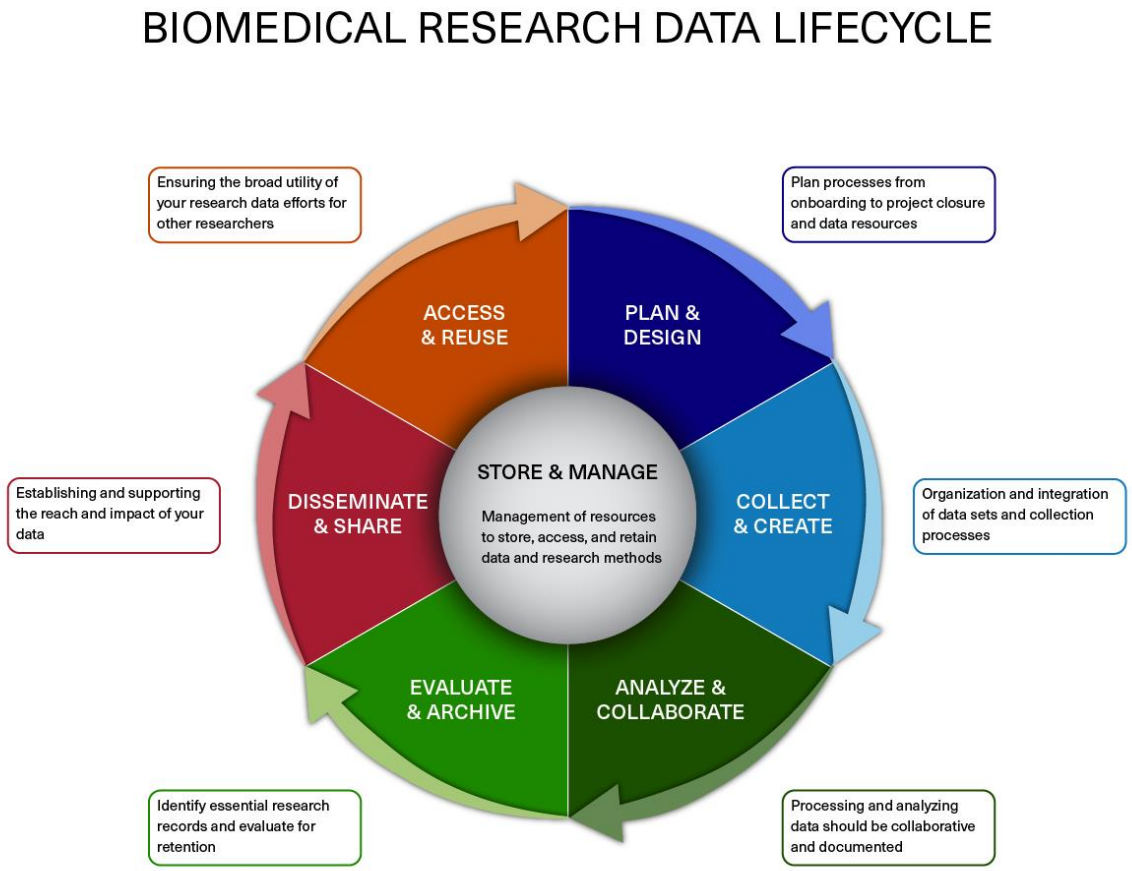
https://bioinformatics.sph.harvard.edu/current-bioinformatics-topics-workshops

Harvard Catalyst Online Resource



https://projects.iq.harvard.edu/hcatrresource

Research Data Management (RDM)



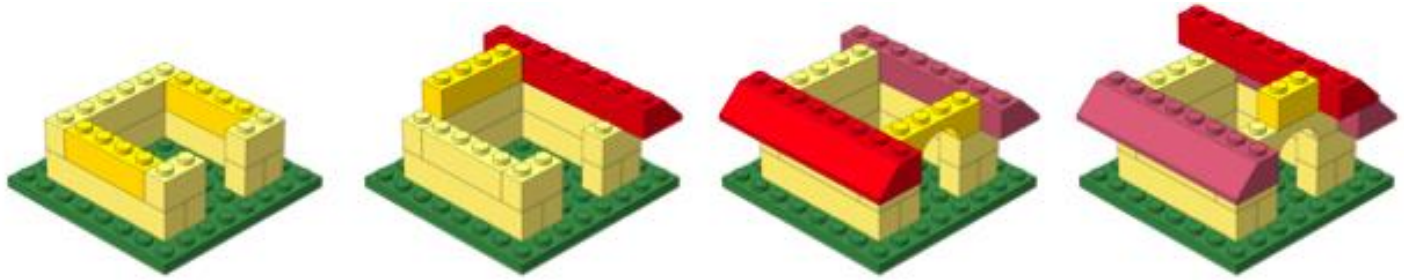
Better RDM practice benefits you

- **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/

Jun 18	1pm	**Get Ready: NIH Public Access Policy Update**	Zoom
Jun 23	11am	**Get Ready: NIH Public Access Policy Update**	Zoom
Jul 9	12pm	**Data Discussions: Let's Talk PIDs**	Zoom
Jul 14	2pm	**protocols.io Webinar: Getting Credit**	Zoom
Aug 6	12pm	**Data Discussions: Let's Define Data Management Roles**	Zoom

https://datamanagement.hms.harvard.edu/about/news-events/rdmwg-calendar

Keep building!



Topic	Category	Date	Duration	Prerequisites
Introduction to Peak Analysis	Advanced	July 8, 11, 15	Three 2.5h sessions	R
Introduction to single-cell RNA-seq	Advanced	September 9, 12, 16	Three 2.5h sessions	R
Pseudobulk and related approaches for scRNA-seq analysis	Advanced	October 21, 24, 28, 31	Four 2.5h sessions	R
Tools for Reproducible Research	Advanced	November 14, 18, 21	Three 2.5h sessions	R

https://bioinformatics.sph.harvard.edu/upcoming-workshops

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