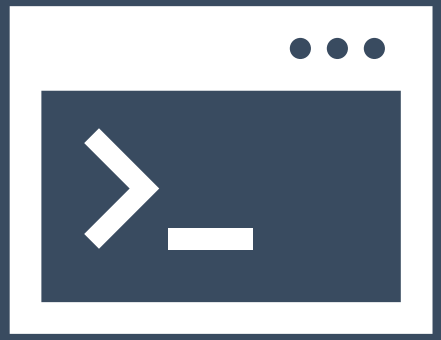
Introduction to R

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



Harvard Chan Bioinformatics Core

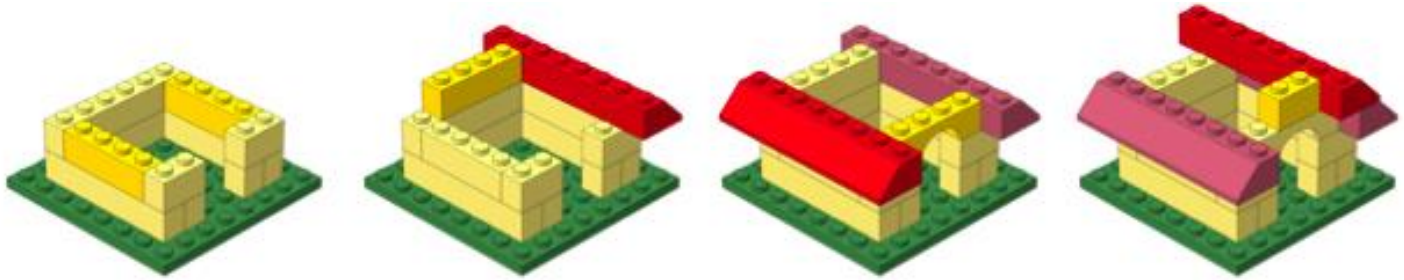
Learning Objectives

- 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

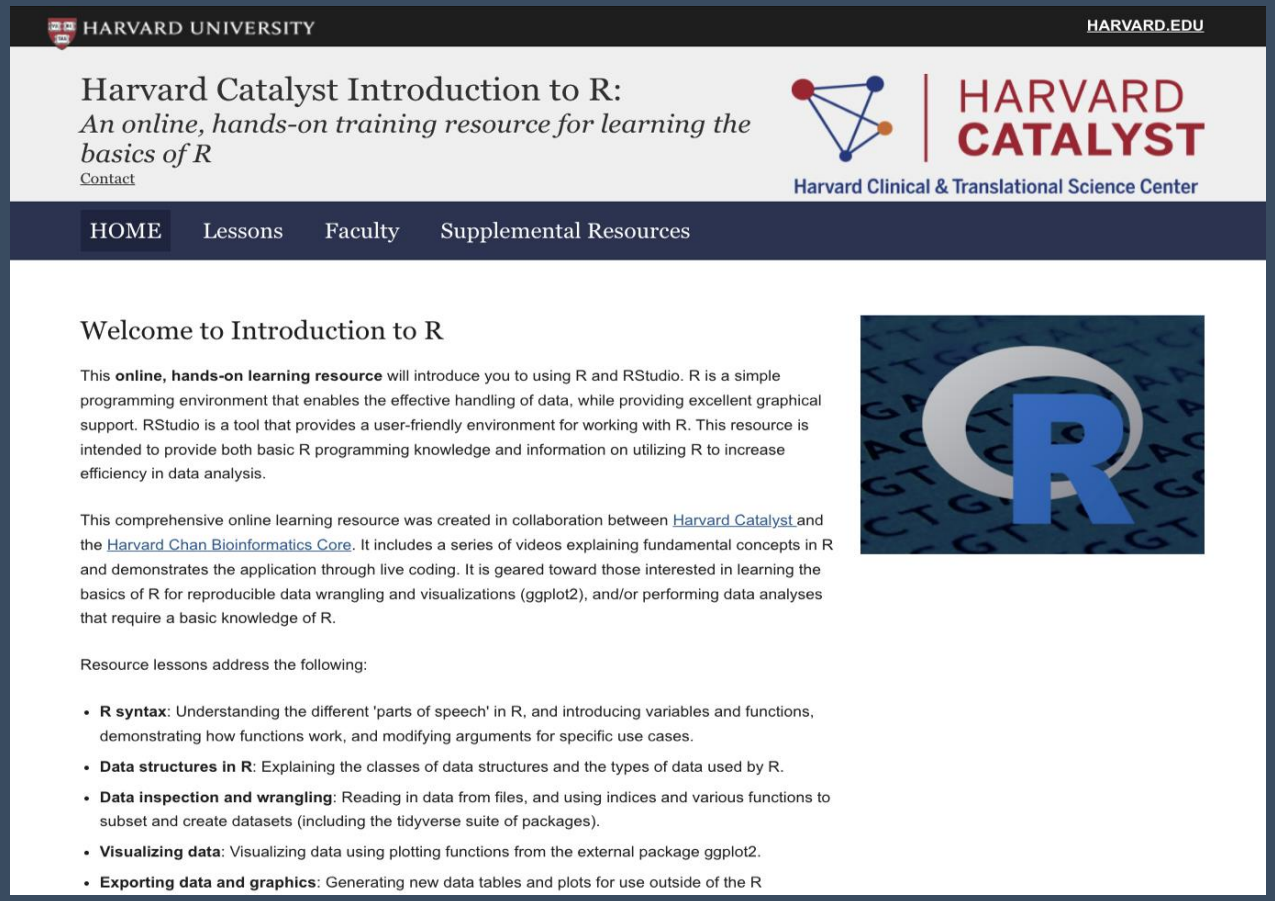
Keep building!



Module	Pre-requisite	Date	Time	Registration Page
Interact with your data using RShiny	Foundations in R	2/25/26	9:30am-12:30pm	Register here
Publication Perfect: Figure Formatting in R	Foundations in R	3/18/26	9:30am-12:30pm	Register here
"Track Changes" with your code: An Introduction to Git and GitHub	Foundations in R	4/15/26	9:30am-12:30pm	Register here
A Practical Introduction to Nextflow and nf-core	None	5/20/26	9:30am-12:30pm	Register here
Getting Started with Nextflow Workflow Development	Basic experience with command line and scripting concepts (e.g. bash, python, R or equivalent)	6/10/26	9:30am-12:30pm	Register here

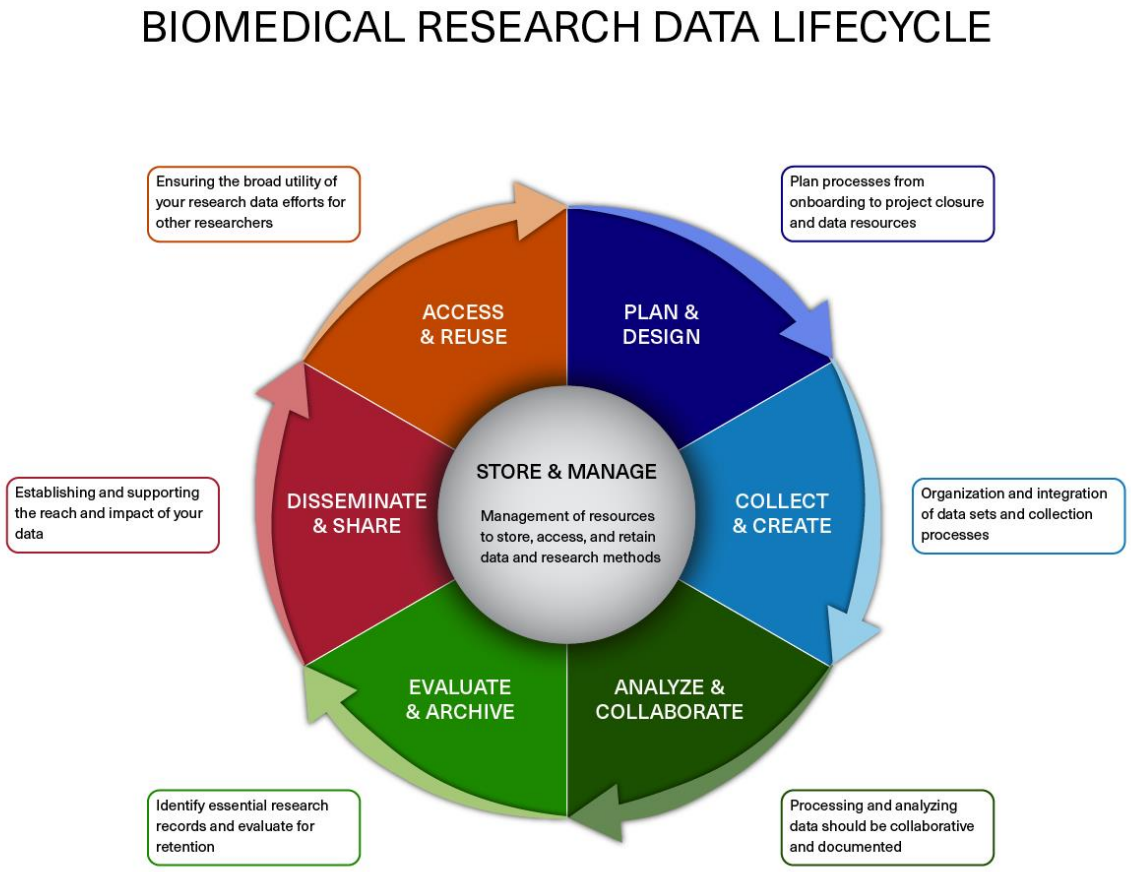
https://hsph.harvard.edu/research/bioinformatics/training/training-schedule/

Harvard Catalyst Online Resource



https://ondemand.catalyst.harvard.edu/products/Introduction-to-R

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/

Spring 2026 Data Lifecycle Training

Plan & Design

March 11
The Lifecycle of Scholarly 3D Data

April 8
Data Management with DMP Tool

May 6
Offboarding for Research Projects

Collect & Analyze

February 25
Interact with RShiny

March 12
Intro to MATLAB

March 26
Public Health GIS

April 15
Intro to Git & GitHub

April 29
Prepare and Share Your Software

April 30
Tidy Up Your Data!

May 14
Intro to Python

Store & Evaluate

February 26
Finalize, Submit, and Transfer Your Data

March 10
Introduction to the General Records Schedule

March 24
Managing Your Paper Records: Off-Site Records Storage

April 21
Managing Your Electronic Records: Shared Drives and Email

Share & Publish

February 5
Share and Publish Data with OSF

March 10
The Making of a Data Availability Statement

March 18
Publication Perfect

May 20
Data Sharing with Harvard Dataverse

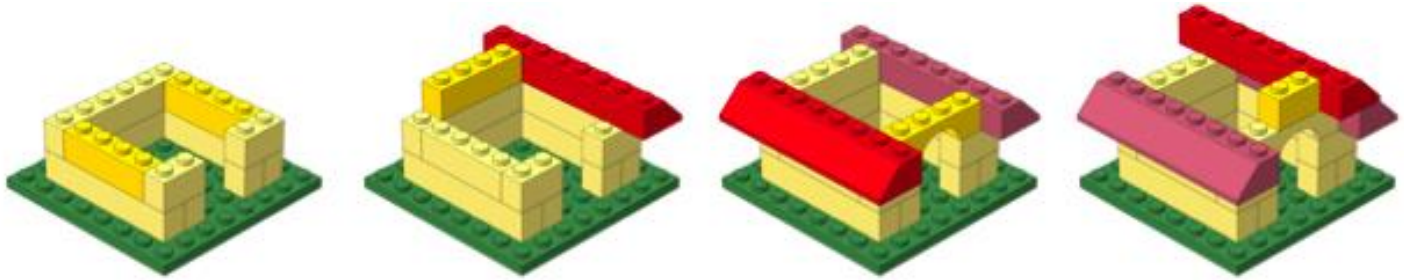
In-person
Virtual

LONGWOOD
RESEARCH DATA MANAGEMENT

Learn More & Register
bit.ly/rdmwg-calendar

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

Keep building!



Workshop	Dates	Time	Location	Registration Page*
Introduction to Python	April 14, 17, 21 & 24, 2026	9:30am-12pm	Zoom	TBA
Introduction to Python	July 7, 10, 14 & 17 2026	9:30am-12pm	Zoom	TBA
Introduction to R	August 28, September 1, 4 & 8 2026	10am-12pm	Zoom	TBA
Introduction to Python	November 10, 13, 17 & 20 2026	9:30am-12pm	Zoom	TBA

Workshop	Pre-requisite*	Dates	Time	Location	Registration Page**
Introduction to scRNA-seq (R-based)	Introduction to R	March 6, 10, 13 & 17, 2026	9:30am-12pm	In-person	Register here
Introduction to Spatial Transcriptomics	Introduction to R	May 5, 8, 12 & 15, 2026	9:30am-12pm	Zoom	TBA
Introduction to scRNA-seq (Python-based)	Introduction to Python	August 11, 14, 18 & 21, 2026	9:30am-12pm	Zoom	TBA
Introduction to Spatial Transcriptomics	Introduction to R	October 6, 9, 13 & 16, 2026	9:30am-12pm	Zoom	TBA
Tools for Reproducible Research	Introduction to R	October 27, 30 & November 3, 2026	9:30am-12pm	Zoom	Register here

https://hsph.harvard.edu/research/bioinformatics/training/training-schedule/

Talk to us early!

Involvement in study design to optimize experiments

More Information

- *HBC training materials: https://hbctraining.github.io/main*
- *HBC website: https://hsph.harvard.edu/research/bioinformatics/*

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