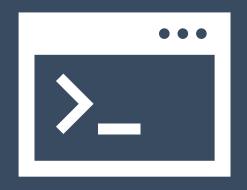
Introduction to R

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



Harvard Chan Bioinformatics Core



Learning Objectives

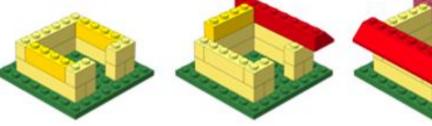


- Comfortably use RStudio (a graphical interface for R)
- Fluently interact with R using RStudio
- Become familiar with R syntax
- Understand data structures in R
- Inspect and manipulate data structures
- Install packages and use functions in R
- Visualize data using ggplot2
- Utilize pipes, tibbles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

Exit survey

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

Keep building!

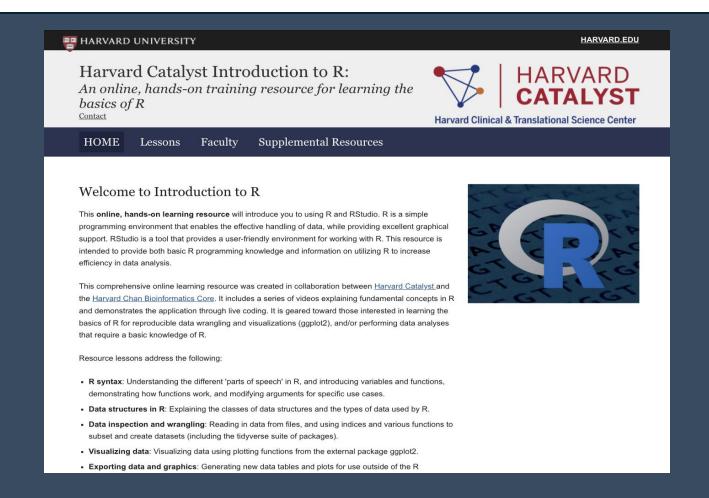






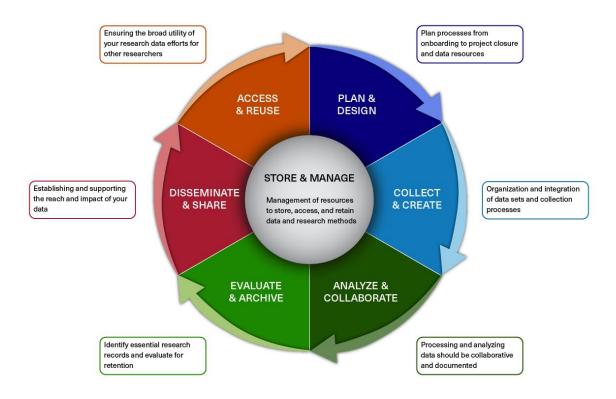
Topic	Pre-requisites	Date/Time	Time	Registration	
Publication Perfect II	R basics	8/21/24	1 – 4pm	Coming soon!	
RShiny	R basics	9/18/24	1 – 4pm	Coming soon!	

Harvard Catalyst Online Resource



Research Data Management (RDM)

BIOMEDICAL RESEARCH DATA LIFECYCLE



Better RDM practice benefits you

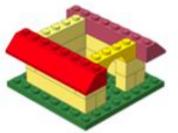
- HMS Data Management LMA
 - * Webpage: https://datamanagement.hms.harvard.edu
 - Sign up for quarterly email updates
- Harvard-wide Research data Management
 - https://researchdatamanagement.harvard.edu/

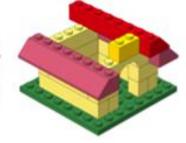
Date	Time	Event	Location
Aug 7	1pm	Demystifying Commercial LLMs for Medical Researchers	Zoom
Aug 8	10am	Intro to O2	Zoom
Aug 12	2pm	protocols.io webinar: Introduction	Zoom
Aug 20	1pm	Hello? It's Me, Your Data! Recommendations and Resources for Managing Research Data	Zoom

Keep building!









Торіс	Category	Date	Duration	Prerequisites
Tools for Reproducible Research	Advanced	Aug 6, 9, 13	Three 2.5h sessions	R
Introduction to Differential Gene Expression (DGE) Analysis	Advanced	Aug 20, 23, 27, 30	Four 2h sessions	R
Shell on High Performace Computing (HPC) for Bioinformatics	Basic	September 3, 6, 10	Three 2.5h sessions	None
Variant Calling	Advanced	September 17, 20, 24	Three 2.5h sessions	Shell and HPC
Introduction to R	Basic	October 8, 11, 15, 18	Four 2h sessions	None
Peak analysis	Advanced	October 25, 29, November 1	Three 2.5h sessions	R
Advanced topics in SingleCell RNA-seq	Advanced	November 12, 15, 19	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



Thursday September 5th, 2024 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