Introduction to R

https://tinyurl.com/hbc-r-online
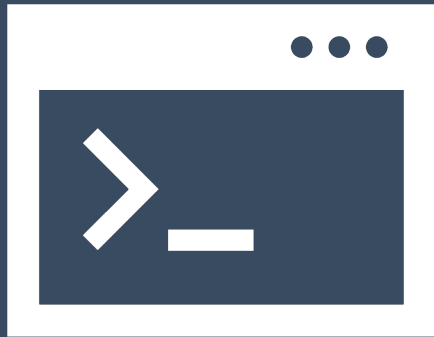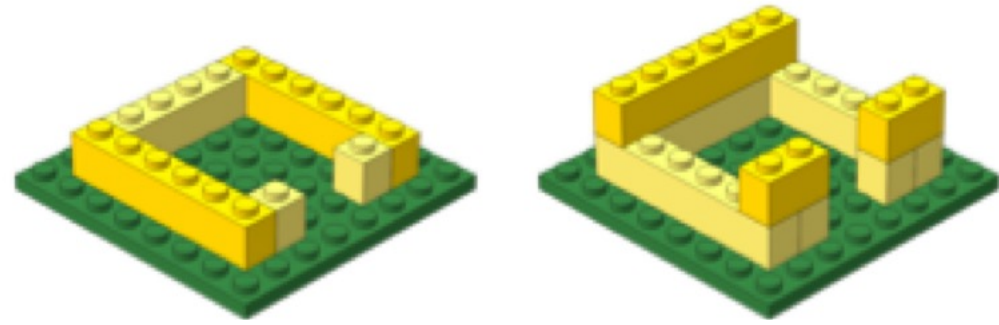
Harvard Chan Bioinformatics Core

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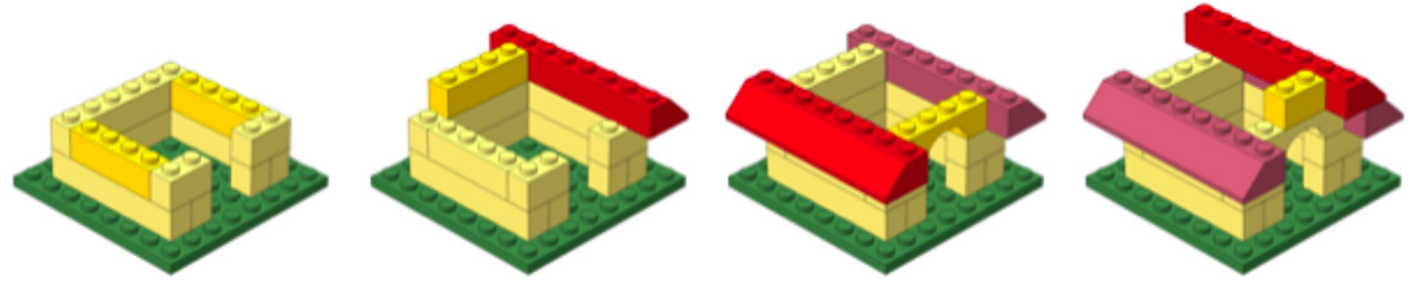
Topic	Pre-requisites	Date/Time	Time	Registration
Publication Perfect II	R basics	8/21/24	1 – 4pm	Coming soon!
RShiny	R basics	9/18/24	1 – 4pm	Coming soon!

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

Harvard Catalyst Online Resource

Research Data Management (RDM)

BIOMEDICAL RESEARCH DATA LIFECYCLE

Ensuring the broad utility of your research data efforts for other researchers

Plan processes from onboarding to project closure and data resources

ACCESS & REUSE

PLAN & DESIGN

STORE & MANAGE

Management of resources to store, access, and retain data and research methods

Organization and integration of data sets and collection processes

Establishing and supporting the reach and impact of your data

DISSEMINATE & SHARE

COLLECT & CREATE

EVALUATE & ARCHIVE

ANALYZE & COLLABORATE

Identify essential research records and evaluate for retention

Processing and analyzing data should be collaborative and documented

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
Jul 24	12pm	**Best Practices for Data Visualization**	Zoom
Jul 31	12pm	**Plotting like a Pro: Data Visualization with ggplot2**	Zoom

Join us for HBC Community Breakfast!

❖ **An opportunity to get to know others in the community**

❖ **Free food and beverages**
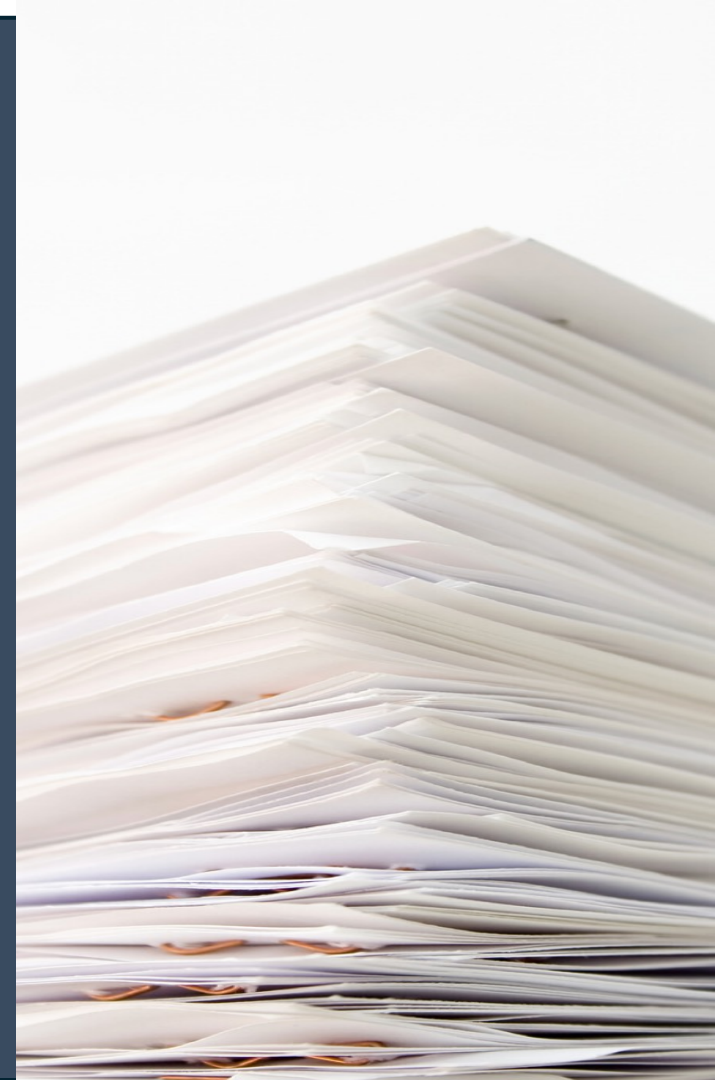
❖ **Great conversations**

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