Tools for Reproducible research

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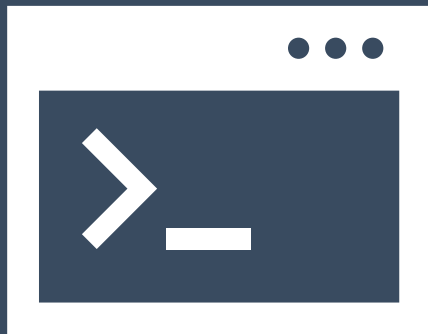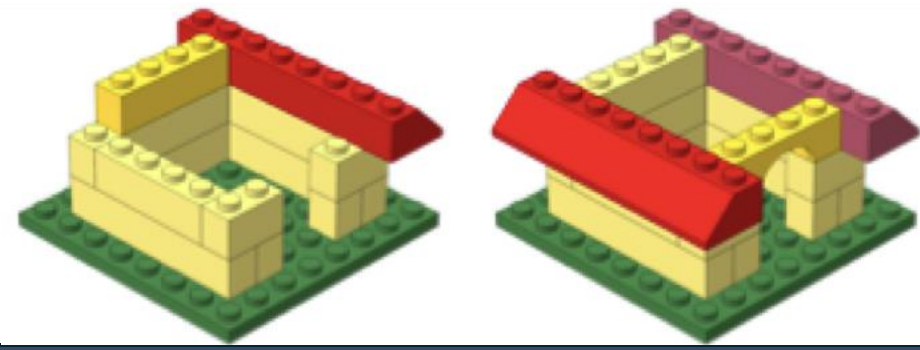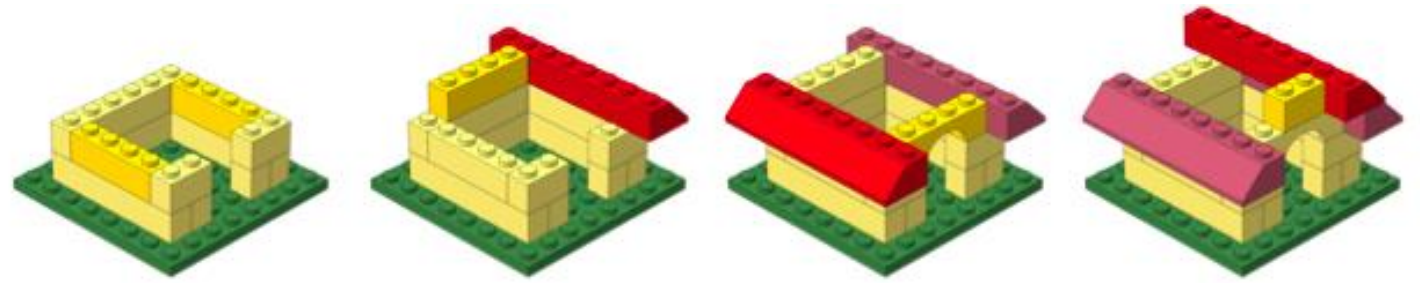
Harvard Chan Bioinformatics Core

Workshop Scope

❖ Generate reports for your analyses using RMarkdown

❖ Track changes as you work on files using a version control system called Git (GitHub Desktop tool)

❖ Collaborate effectively, and disseminate code & other documents using Github

Exit survey

https://tinyurl.com/trr-exit

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

Research Data Management (RDM)

BIOMEDICAL RESEARCH DATA LIFECYCLE
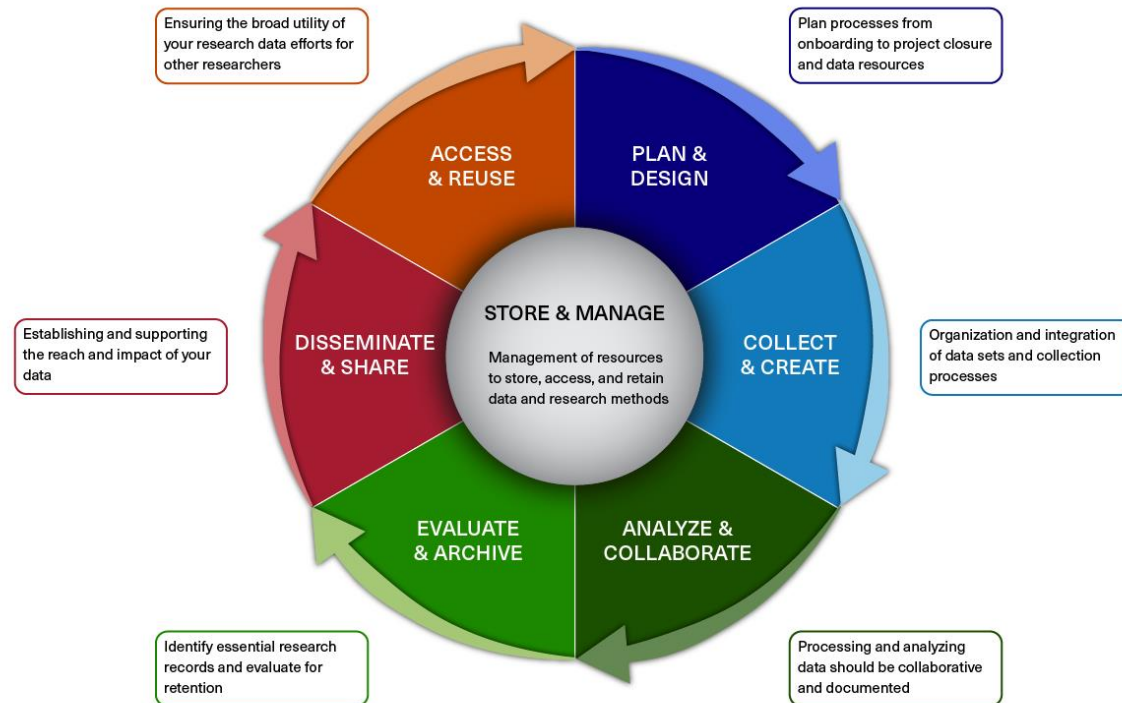
Better RDM practice benefits you

- ❖ **HMS Data Management LMA**

  - ❖ **Webpage:** https://datamanagement.hms.harvard.edu

  - ❖ <u>Sign up</u> for quarterly email updates

- ❖ **Harvard-wide Research data Management**

  - ❖ https://researchdatamanagement.harvard.edu/

Date	Time	Event	Location
Aug 20	1pm	**Hello? It's Me, Your Data! Recommendations and Resources for Managing Research Data**	Zoom
Aug 27	10am	**Managing Your Electronic Records: Shared Drives and Email**	Zoom
Aug 28	1pm	**Unleashing LLM Power**	Countway Library, Classroom L1-032

Keep building!
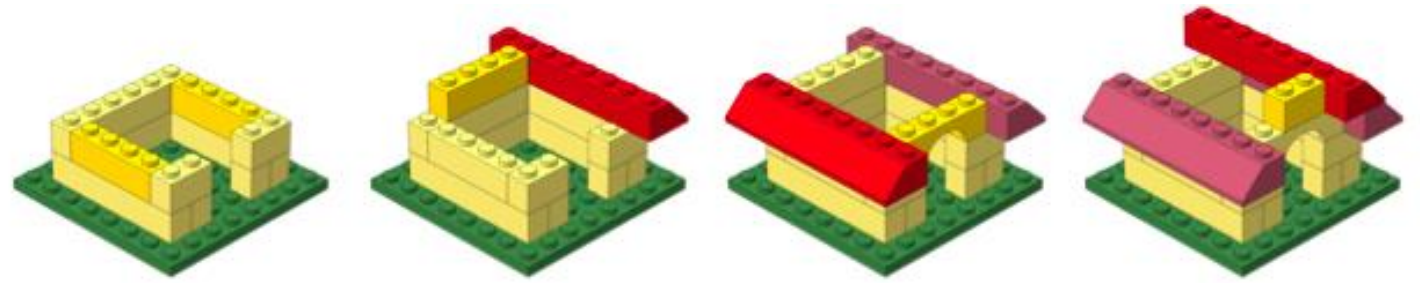
Topic	Category	Date	Duration	Prerequisites
Introduction to Differential Gene Expression (DGE) Analysis	Advanced	Aug 20, 23, 27, 30	Four 2h sessions	R
Shell on High Performace Computing (HPC) for Bioinformatics	Basic	September 3, 6, 10	Three 2.5h sessions	None
Variant Calling	Advanced	September 17, 20, 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*

Thanks!

- ❖ *Julie Goldman, Countway Library*

- ❖ *John F. Obrycki, Boston Children's Hospital*

- ❖ *Bob Freeman, HBS*

- ❖ *Data Carpentry*

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