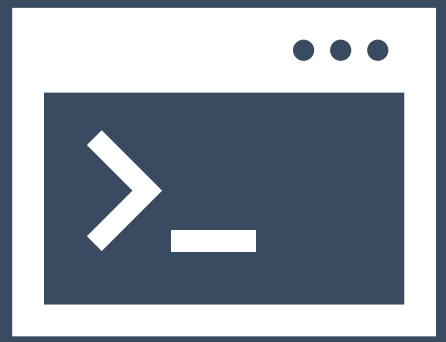
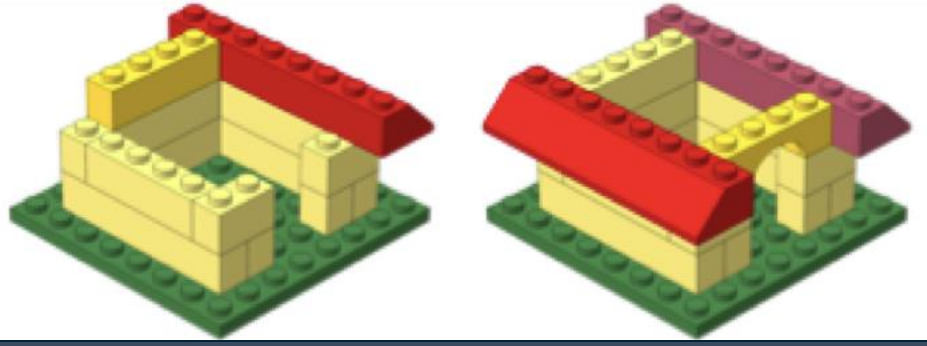
Peak Analysis

https://tinyurl.com/Peak-analysis



Harvard Chan Bioinformatics Core

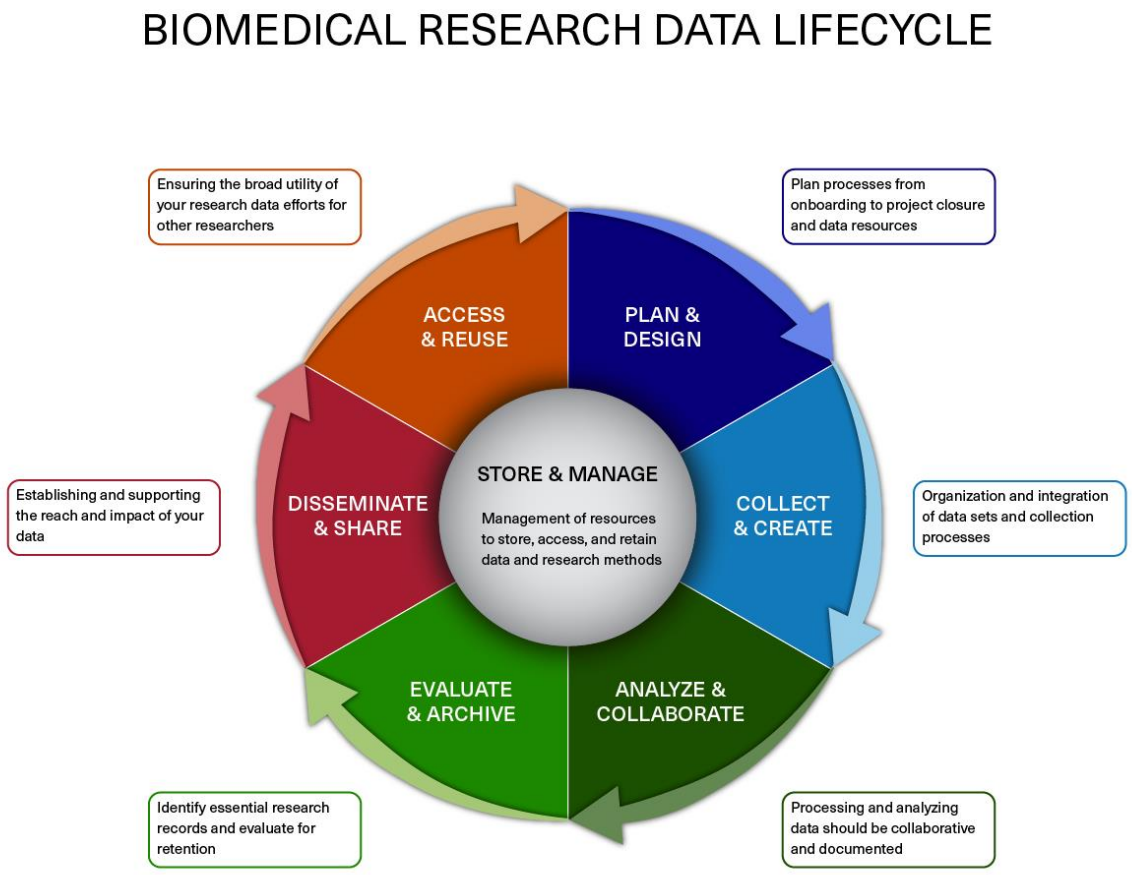
Workshop Scope



- Describe peak data and different file formats generated from peak calling algorithms
- Assess various metrics used to assess the quality of peak calls
- Compare peak calls across samples within a dataset
- Create visualizations to evaluate peak annotations
- Evaluate differentially enriched regions between two sample groups

Exit survey

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/

Fall 2024 Data Lifecycle Training

Plan & Design

September 24 (In-person)
Managing Research Data Efficiently

September 26 (Virtual)
Project and Lab Onboarding

October 31 (In-person)
Data Horror Stories: Avoid the Nightmare

November 19 (In-person)
Writing a Data Management and Sharing Plan

Collect & Analyze

September 19 (Virtual)
Intro to MATLAB

October 10 (Virtual)
Research Computing: Intro to Python

November 20 (Virtual)
Basic Shell

November 21 (Virtual)
Research Computing: Intro to O2

December 5 (Virtual)
RCBio: easy and quick HPC pipeline builder & runner

Store & Evaluate

October 22 (Virtual)
Introduction to the General Records Schedule

October 24 (Virtual)
Computing Strategies and Resources

November 22 (Virtual)
Managing Paper Records: Off-Site Records Storage

December 17 (Virtual)
Managing Electronic Records: Shared Drives and Emails

Share & Publish

September 18 (Virtual)
Interact with your data using RShiny

November 14 (Virtual)
Principles of Finding and Citing Data

December 3 (In-person)
Research Management: Tools for Open Science

December 12 (Virtual)
Data Sharing in Repositories

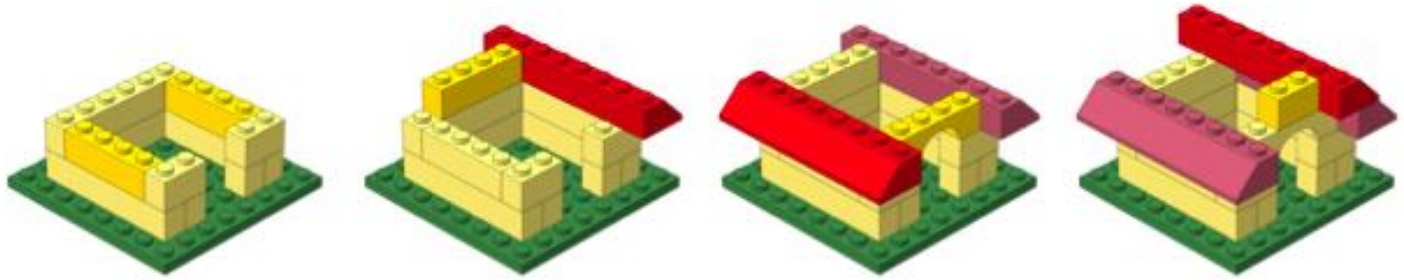
In-person
Virtual

LONGWOOD RESEARCH DATA MANAGEMENT

Learn More & Register
bit.ly/rdmwg-calendar

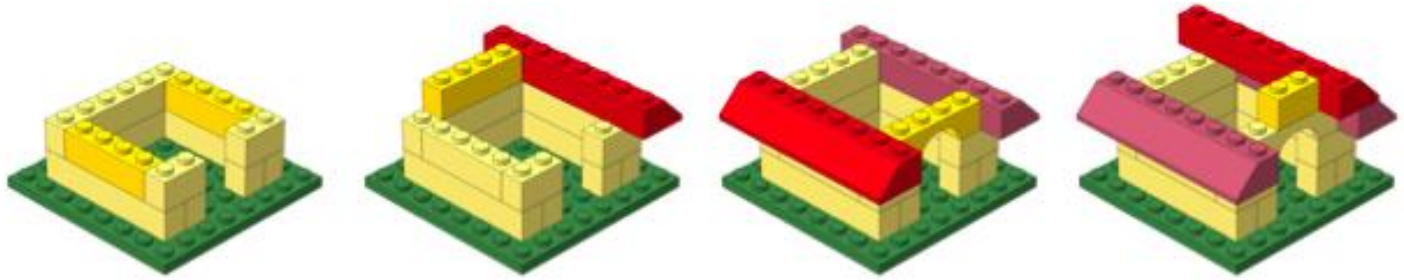
https://datamanagement.hms.harvard.edu/about/news-events/rdmwg-calendar

Keep building!



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

Keep building!



Shell for Bioinformatics	Basic	January 21, 24, 28	Three 2.5h session	None
Introduction to bulk RNA-seq data analysis Part I	Advanced	February 4, 7, 11	Three 2.5h session	Shell for Bioinformatics
Introduction to R	Basic	February 18, 21, 25 and 28	Four 2h sessions	None
Introduction to SingleCell RNA-seq	Advanced	March 4, 7, 11	Three 2.5h session	R
Introduction to Differential Gene Expression (DGE) Analysis	Advanced	March 18, 21, 25, 28	Four 2h sessions	R
Pseudobulk	Advanced	April 4, 8, 11	Three 2.5h sessions	R

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

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