Introduction to R

Harvard Chan Bioinformatics Core

April 30th and May 1st, 2018

https://tinyurl.com/hbc-intro-R-2day

Sponsored by HMS (TnT) and HSCI

Learning Objectives
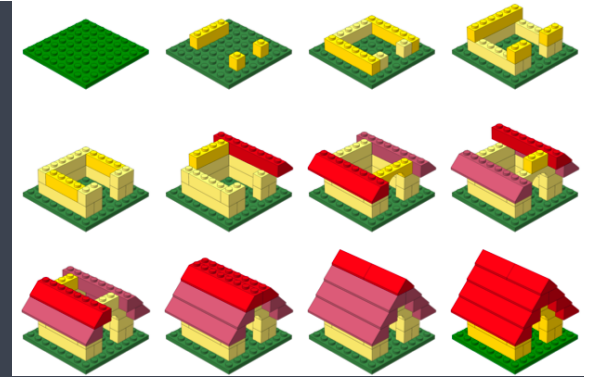
- ✓ Comfortably use RStudio (a graphical interface for R)

- ✓ 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*

Resources

Resources for RNA-Seq, R, general bioinformatics

Asking for help with R

ggplot2 cheatsheet

Exit survey

http://tinyurl.com/HMS-HSCI-introR-exit-survey

Consulting

- RNA-seq: bulk, single cell, small RNA

- ChIP-seq and ATAC-seq

- Genome-wide methylation

- WGS, resequencing, exome-seq and CNV studies

- QC & analysis of gene expression arrays

- Functional enrichment analysis

- Grant support

Contact us!

HBC webpage: http://bioinformatics.sph.harvard.edu
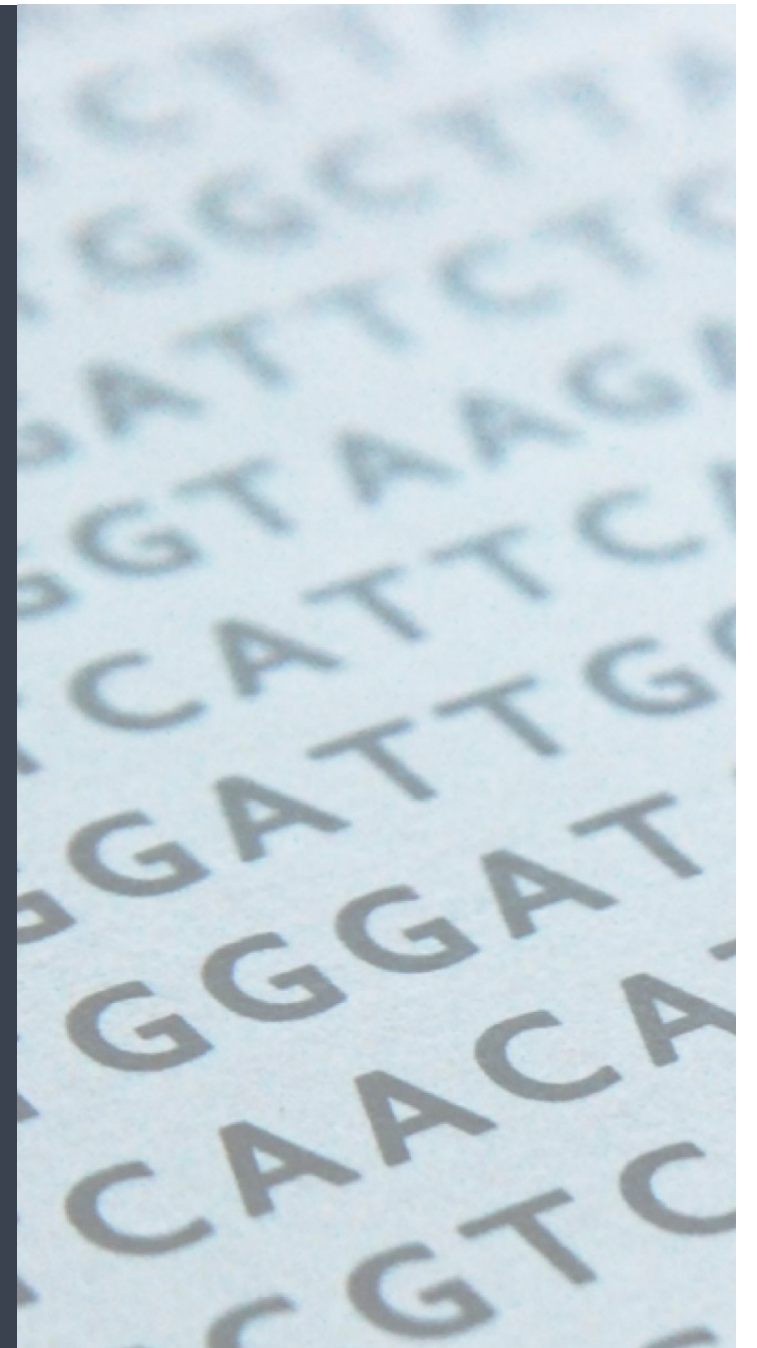
HBC training materials: http://hbctraining.github.io/main

HBC workshop listserv: https://tinyurl.com/hbc-mailing-list

Training email: hbctraining@hsph.harvard.edu

Consulting email: bioinformatics@hsph.harvard.edu

Twitter

@bioinfocore