

Introduction to R

Harvard Chan Bioinformatics Core

April 20th, 2017

<http://tinyurl.com/hbc-intro-R-hndc>

Sponsored by HNDC



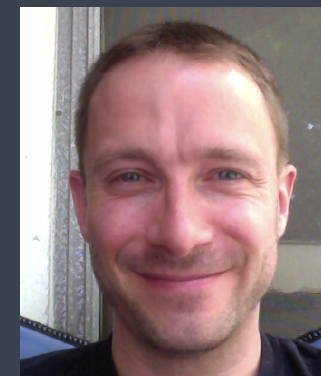
Shannan Ho Sui



John Hutchinson



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Meeta Mistry



Radhika Khetani



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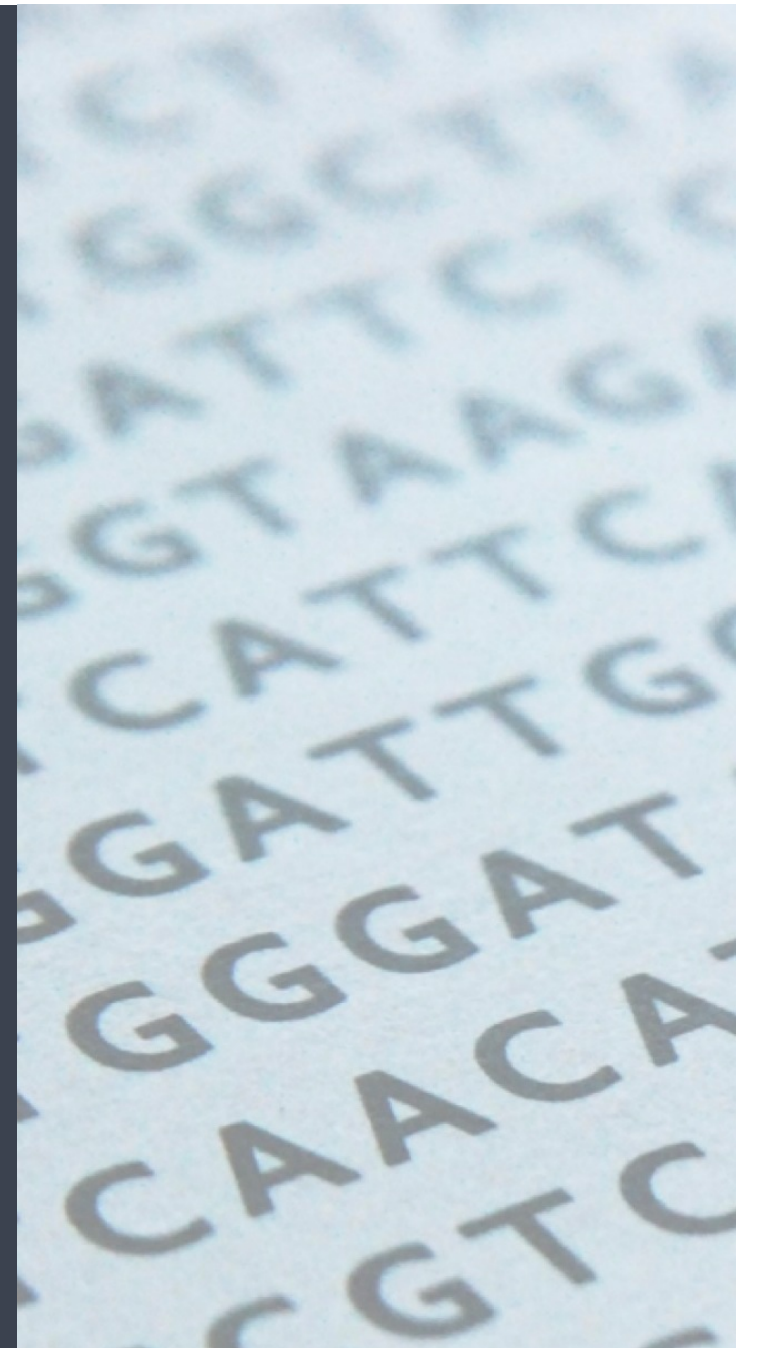
Harvard Chan Bioinformatics Core

Class Introductions!

Consulting

- RNA-seq, small RNA-seq and ChIP-seq analysis
- Genome-wide methylation
- WGS, resequencing, exome-seq and CNV studies
- Quality assurance and analysis of gene expression arrays
- Functional enrichment analysis
- Grant support

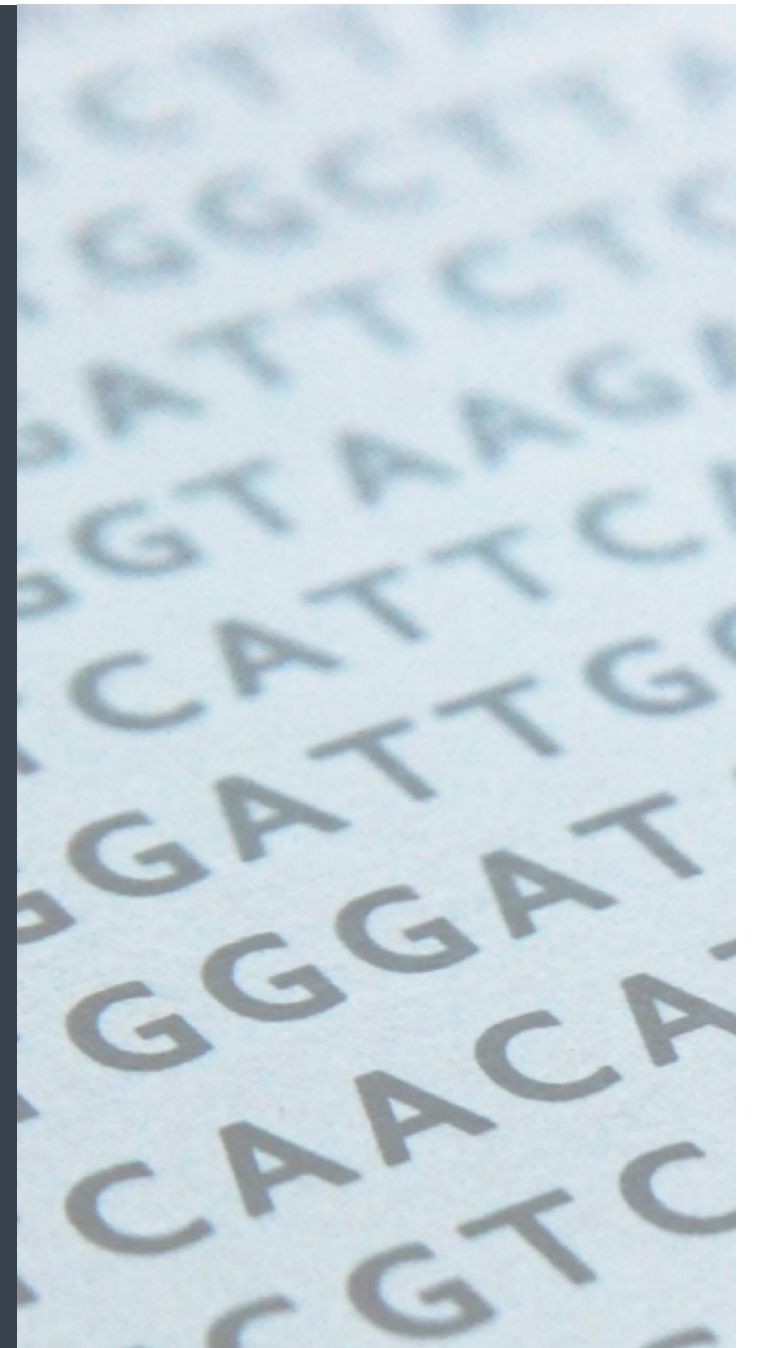
HBC consulting: bioinformatics@hsph.harvard.edu



Training

- Short workshops on introductory, intermediate and advanced topics related to NGS data analysis
- In-depth courses (8- or 12-day formats)

HBC training: hbctraining@hsph.harvard.edu





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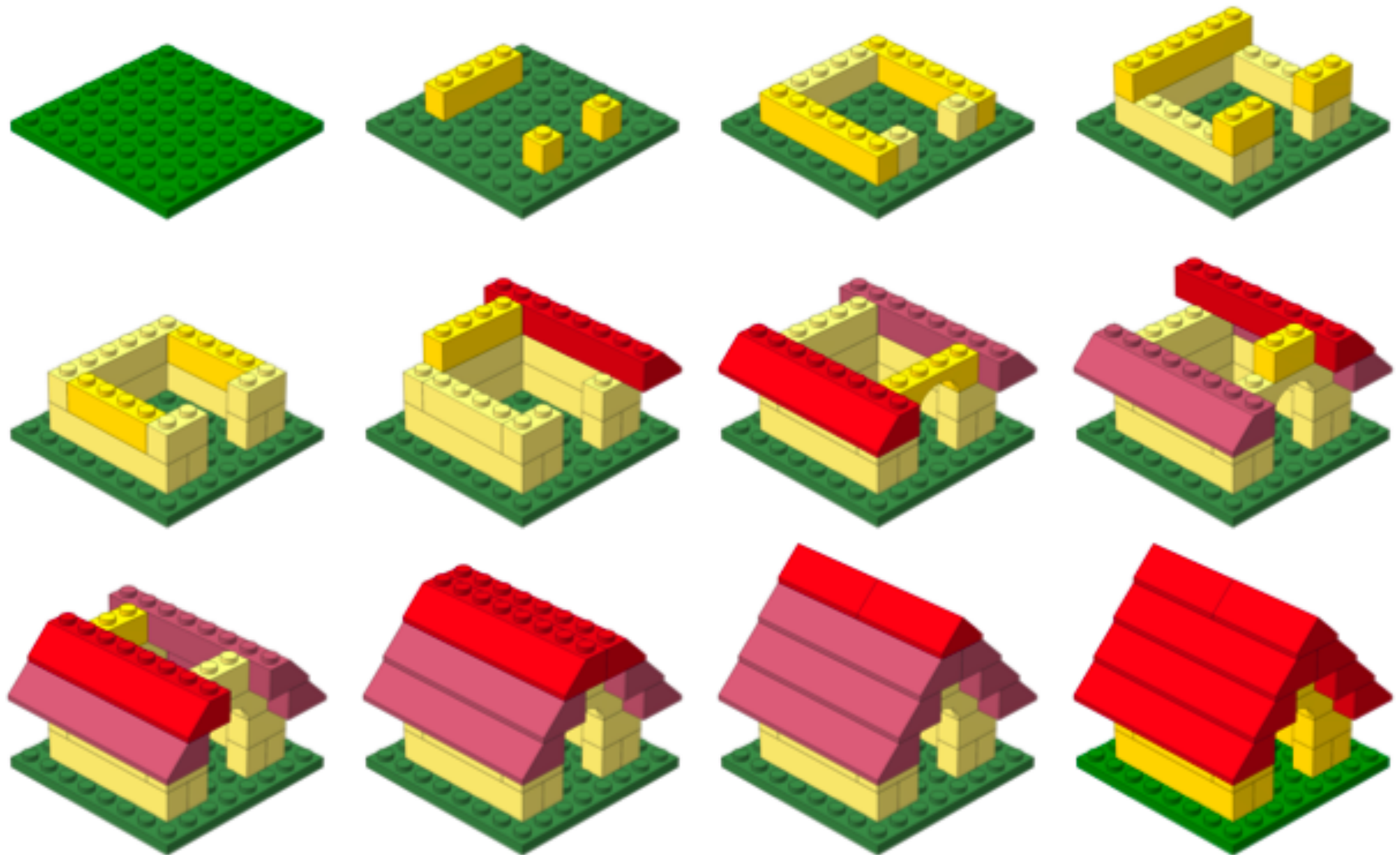
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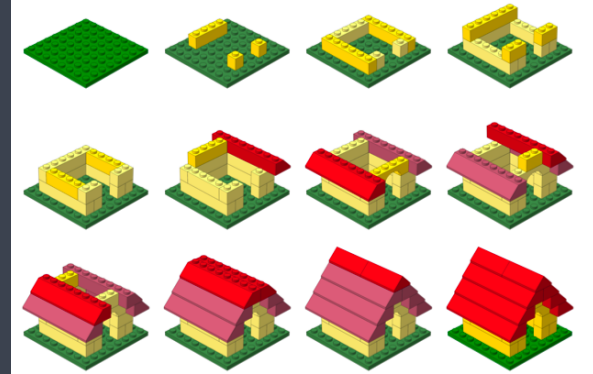
HMS
Tools &
Technology

Workshop Scope...



Learning R

Learning Objectives



- ✓ Become comfortable with 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 simple and complex plotting methods

Contact us!

HBC training team: hbctraining@hsph.harvard.edu

HBC consulting: bioinformatics@hsph.harvard.edu

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