



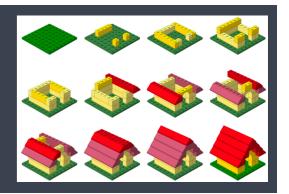
Bulk RNA-seq Analysis Part II

Differential Gene Expression

Harvard Chan Bioinformatics Core

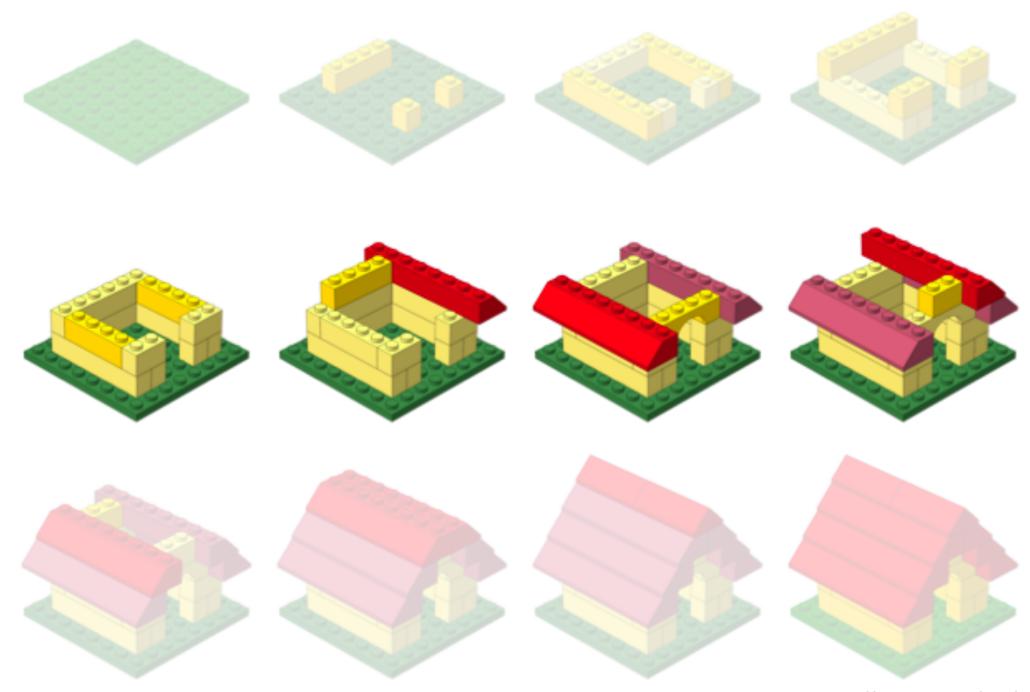
https://tinyurl.com/hbc-dge-online

Workshop Scope



Differential Gene Expression analysis

- ✓ Understand the considerations for performing statistical analysis on RNAseq data
- Start with gene counts (after alignment and counting)
- Perform QC on count data
- Use DESeq2 to perform differential expression analysis on the count data and obtain a list of significantly different genes
- ✓ Visualize results of the analysis
- Perform functional analysis on the lists of differentially expressed genes



http://anoved.net/tag/lego/page/3/

Bioinformatics data analysis

Exit survey

https://tinyurl.com/DGE-exit-survey

Upcoming free, monthly, 3hr workshops

Interactive Data Visualization with RShiny

May 26th

1 pm - 4 pm

Registration link

Interested in additional training?

All workshop materials available at:

https://hbctraining.github.io/main

Next workshops

- scRNA-seq (Starting on May 20th)
- Reproducibility Tools (RMarkdown and Git/Github)
 (Starting on June 22nd)

Office hours

- 30 minute office hours for trainees
- Every other Wednesday at 11 AM or 11:30 AM
- Sign up form will be emailed to you

Get (stay) in touch with us!

Sign up for our mailing list:

https://tinyurl.com/hbc-training-mailing-list

Training email: hbctraining@hsph.harvard.edu

Consulting email: bioinformatics@hsph.harvard.edu

Twitter: @bioinfocore