



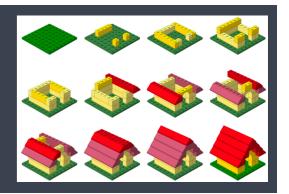
Bulk RNA-seq Analysis Part II

Differential Gene Expression

Harvard Chan Bioinformatics Core

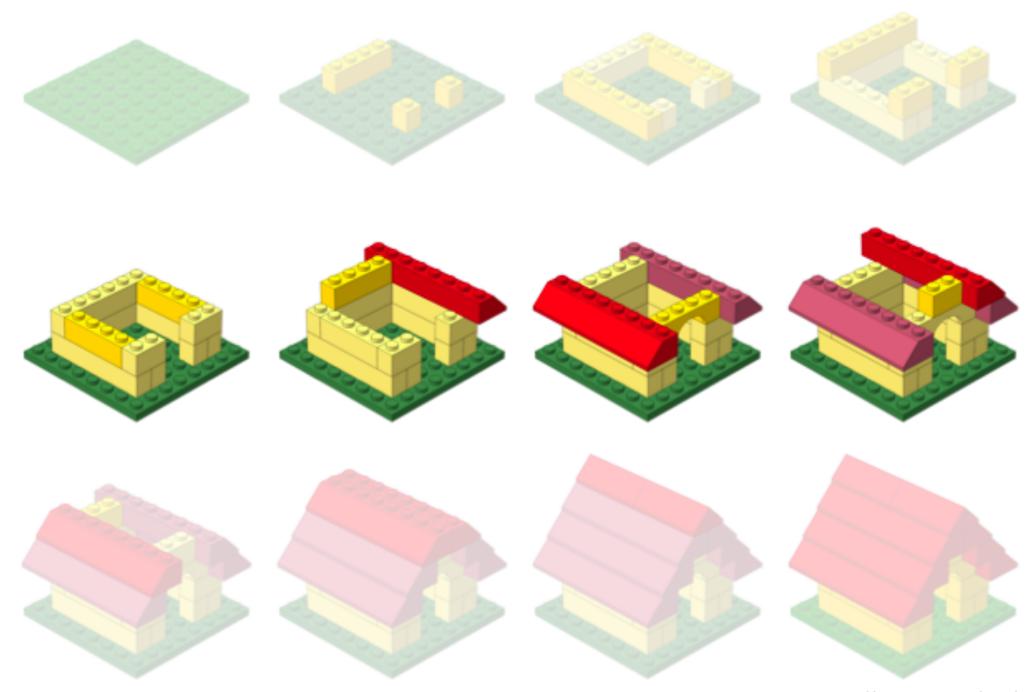
https://tinyurl.com/hbc-dge-online

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

Interested in additional training?

All workshop materials are online: https://hbctraining.github.io/main

Sign up for our mailing list:

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

Interested in additional training?

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

Short workshops: Current Topics in Bioinformatics

These workshops are free and open to all researchers at Harvard University and affiliated institutions.

- Workshops on bioinformatics methods & related skills.
- · Once a month for 3 hours
- · Hands-on workshops be prepared with your MAC or Windows computer
- Free and open to everyone at Harvard University and its affiliates
- · Will meet the first Wednesday of the month (with one exception) online via Zoom
- Sign up at the links below to receive the workshop Zoom link

Interested in additional training?

SUMMER RDM CAMP: DATA VISUALIZATION













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Wednesdays at 12:00 - 1:00 pm





Learn More & Register: bit.ly/RDM-Seminars

bit.ly/RDM-Seminars

Data Management

- HMS Data management -
 - Webpage: https://datamanagement.hms.harvard.edu/
 - Click here to sign up for data management related emails
 - Check out the training schedule for short workshops

- Harvard-wide Research Data Management
 - https://researchdatamanagement.harvard.edu/

Get (stay) in touch with us!

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