Bulk RNA-seq Analysis Part II

Differential Gene Expression

Harvard Chan Bioinformatics Core

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

Workshop Scope
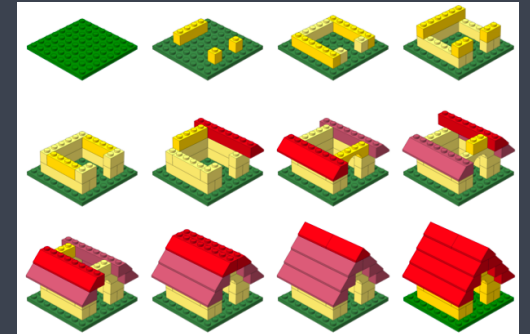
Differential Gene Expression analysis

- ✓ Understand the considerations for performing statistical analysis on RNA-seq 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
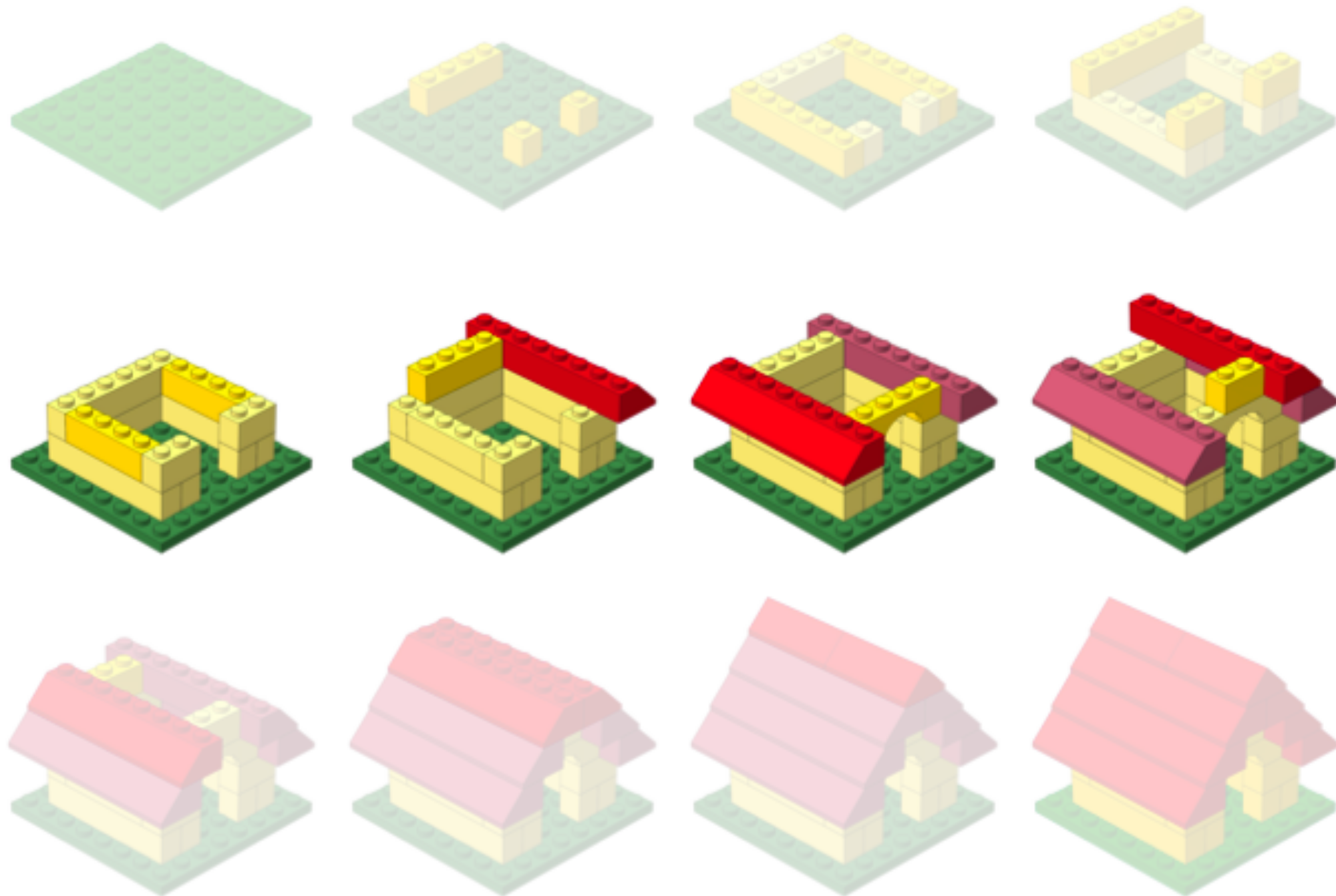
Bioinformatics data analysis

Exit survey

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

Interested in additional training?

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

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Sign up for our mailing list:

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

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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