

Seminar

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- 1 RNA-seq analysis
- 2 Next Schedule

RNA-seq analysis

Literature and Guidances



Figure 1: design matrix

- test1 you know that you have
- test2 Screenshot
- test3

Analysis route

- Data packaging
 - Reading in count-data
 - Organising sample information
 - Organising gene annotations
- 2 Data pre-processing
 - Transformations from the raw-scale
 - Removing genes that are lowly expressed
 - Normalising gene expression distributions
 - Unsupervised clustering of samples
- 3 Differential expression analysis
 - Creating a design matrix and contrasts
 - Removing heteroscedascity from count data
 - Fitting linear models for comparisons of interest
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Next Schedule

Gene informatics analysis

- GEO datasets analysis
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