

Log-Linear Poisson Graphical Model with Hot-Deck Multiple Imputation

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Abstract

Short vignette pointing to RNAseqNet User's Guide.

Package

RNAseqNet 0.1.1

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1 Description

The **R** package *RNAseqNet* can be used to infer networks from RNA-seq expression data. The count data are given as a $n \times p$ matrix in which n is the number of individuals and p the number of genes. This matrix is denoted by \mathbf{X} in the sequel.

Eventually, the RNA-seq dataset is complemented with an $n' \times d$ matrix, \mathbf{Y} which can be used to impute missing individuals in \mathbf{X} as described in [Imbert *et al.*, 2017]

The RNAseqNet User's Guide can be opened with:

```
RNAseqNetUsersGuide()
```

The location of the source file is given by:

```
RNAseqNetUsersGuide(html = FALSE)
```

2 Reference

Imbert, A., Valsesia, A., Le Gall, C., Armenise, C., Gourraud, P.A., Viguerie, N. and Villa-Vialaneix, N. (2017) Multiple hot-deck imputation for network inference from RNA sequencing data. *Preprint*.