

Package ‘geneExpressionFromGEO’

July 22, 2025

Encoding UTF-8

Title Easily Downloads a Gene Expression Dataset from a GEO Code and Retrieves the Gene Symbols of Its Probesets

Version 1.2[illegible]

BugReports <https://github.com/davidechicco/geneExpressionFromGEO/issues>

Depends R ($\geq 3.1.0$)

License GPL-3

URL <https://github.com/davidechicco/geneExpressionFromGEO>

Imports xml2, Biobase, annotate, GEOquery, qpdf

Suggests knitr, rmarkdown

VignetteBuilder knitr

RoxygenNote 7.3.2

NeedsCompilation no

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Date/Publication 2025-04-11 12:00:05 UTC

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dec_two	<i>Function that returns numeric values with 2 decimal numbers.</i>
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Description

Function that returns numeric values with 2 decimal numbers.

Usage

```
dec_two(x)
```

Arguments

x input numeric value with N decimal numbers.

Value

a numeric value with 2 decimal numbers.

Examples

```
aaa <- dec_two(8.31232)
```

getGeneExpressionFromGEO	<i>Function that reads in the GEO code of a dataset, and returns the gene expression dataframe.</i>
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Description

Function that reads in the GEO code of a dataset, and returns the gene expression dataframe.

Usage

```
getGeneExpressionFromGEO(datasetGeoCode, retrieveGeneSymbols, verbose = FALSE)
```

Arguments

datasetGeoCode the GEO code of a dataset.
retrieveGeneSymbols a boolean flag stating if the function should retrieve the gene symbols or not.
verbose a boolean flag stating if helping messages should be printed or not

Value

a gene expression dataset.

Examples

```
geneExpressionDF1 <- getGeneExpressionFromGEO("GSE47018", FALSE, FALSE)
```

readUrl	<i>Function that reads in a URL to check and verifies if it exists (function written by Janko Thyson @rappster and taken from https://stackoverflow.com/a/12195574)</i>
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Description

Function that reads in a URL to check and verifies if it exists (function written by Janko Thyson @rappster and taken from <https://stackoverflow.com/a/12195574>)

Usage

```
readUrl(url)
```

Arguments

url the URL of a webpage

Value

the output of a webpage verification check

Examples

```
y <- readUrl("http://stat.ethz.ch/R-manual/R-devel/library/base/html/connections.html")
```

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