

Package ‘aakmisc’

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Type Package

Title Miscellany for the King lab

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Description Miscellaneous tools.

Depends R(>= 3.0.0), plyr, reshape2, ggplot2, scales, RPostgreSQL, DBI

Imports knitr

VignetteBuilder knitr

License Private

LazyLoad true

LazyData true

BuildVignettes no

Collate aaa.R version.R db.R tunnel.R random.R

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Description

Interface with project databases.

Usage

```
getMLEs(host = getOption("aakmisc.dbhost"),
        dbname = getOption("aakmisc.dbname"),
        ...)
recMLEs(mle, host = getOption("aakmisc.dbhost"),
        dbname = getOption("aakmisc.dbname"),
        ...)
listScripts(host = getOption("aakmisc.dbhost"),
            dbname = getOption("aakmisc.dbname"),
            ...)
recScript(files, host = getOption("aakmisc.dbhost"),
          dbname = getOption("aakmisc.dbname"),
          ...)
dropScript(script, host = getOption("aakmisc.dbhost"),
           dbname = getOption("aakmisc.dbname"),
           ...)
catScript(script, file = "", host = getOption("aakmisc.dbhost"),
          dbname = getOption("aakmisc.dbname"),
          ...)
getQuery(statement,
         host = getOption("aakmisc.dbhost"),
         dbname = getOption("aakmisc.dbname"),
         ...)
writeDBTable(name, value, overwrite = FALSE, append = FALSE,
             row.names = FALSE,
             host = getOption("aakmisc.dbhost"),
             dbname = getOption("aakmisc.dbname"), ...)
startTunnel(port, remotehost = getOption("aakmisc.remotehost"), sleep = 5)
stopTunnel(info)
```

Arguments

host	Hostname on which to connect to the PostgreSQL server.
dbname	Name of PostgreSQL database.
mle	A data-frame of MLEs to be recorded.
files	Files containing R scripts to be recorded.
script	Name of script.

file	File to which the script will be written. See cat .
statement	SQL statement passed to dbGetQuery .
name, value	Name and contents of table to create.
overwrite, append, row.names	See dbWriteTable .
port	Local port to use for ssh tunnel. If unspecified, a random port number will be used.
remotehost	Hostname of PostgreSQL server. An ssh tunnel to this host will be created.
sleep	Time in seconds to sleep after initiating the ssh tunnel.
info	Information about the ssh tunnel returned by <code>startTunnel</code> .
...	Additional arguments will be passed to dbConnect .

Author(s)

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Examples

```
## Not run:
startTunnel() -> tun
listScripts(port=tun$port)
stopTunnel(tun)

## End(Not run)
```

random

Functions for generating truly random integers.

Description

Functions for generating truly random integers.

Usage

```
random.org(n = 10, rnd = "new")
urandom(n = 10)
```

Arguments

n	Number of integers required.
rnd	random.org parameter

Author(s)

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References

<http://www.random.org>

Examples

```
## Not run:  
random.org(n=5)  
  
## End(Not run)  
seed <- urandom(n=1)  
set.seed(seed)  
runif(5)
```

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