

Package: modelstats (via r-universe)

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Type Package

Title Run Analysis Tools

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Description A collection of tools to analyze model runs.

Imports dplyr, quitte, crayon, gdx, gtools, lubridate, lrcode2,
pamutils, utils, gms, withr, rlang

Suggests covr, knitr, rmarkdown

URL <https://github.com/pik-piam/modelstats>

BugReports <https://github.com/pik-piam/modelstats/issues>

Encoding UTF-8

License LGPL-3

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VignetteBuilder knitr

Repository <https://pik-piam.r-universe.dev>

RemoteUrl <https://github.com/pik-piam/modelstats>

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modelstats-package *modelstats: Run Analysis Tools*

Description

A collection of tools to analyze model runs.

Author(s)

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Authors:

- Oliver Richters

See Also

Useful links:

- <https://github.com/pik-piam/modelstats>
- Report bugs at <https://github.com/pik-piam/modelstats/issues>

colRunType *colRunType*

Description

What is the type of this run?

Usage

```
colRunType(mydir = ".")
```

Arguments

`mydir` Path to the folder where the run is performed

Author(s)

Anastasis Giannousakis

foundInSlurm	<i>foundInSlurm</i>
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Description

Is the run found in SLURM?

Usage

```
foundInSlurm(mydir = ".", user = NULL)
```

Arguments

mydir	Path to the folder(s) where the run(s) is(are) performed
user	the user whose runs will be sought for

Author(s)

Anastasis Giannousakis, Oliver Richters

getRunStatus	<i>getRunStatus</i>
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Description

Returns the current status of a run or a vector of runs

Usage

```
getRunStatus(mydir = dir(), sort = "nf", user = NULL)
```

Arguments

mydir	Path to the folder(s) where the run(s) is(are) performed
sort	how to sort (nf=newest first)
user	the user whose runs will be shown

Author(s)

Anastasis Giannousakis

Examples

```
## Not run:  
  
a <- getRunStatus(dir())  
  
## End(Not run)
```

loopRuns

loopRuns

Description

Returns the output for getRunStatus nicely

Usage

```
loopRuns(mydir, user = NULL, colors = TRUE, sortbytime = TRUE)
```

Arguments

mydir	a dir or vector of dirs
user	the user whose runs will be shown
colors	boolean whether the output is colored dependent on runstatus
sortbytime	boolean whether the output is sorted by timestamp

Author(s)

Anastasis Giannousakis

Examples

```
## Not run:  
  
loopRuns(dir())  
  
## End(Not run)
```

`modeltests`*modeltests*

Description

Runs a group of tests for a specific model. A "config/scenario_config.csv" file (relative) to the main folder has to exist in the model, describing the scenarios to be tested. Also, a gitlab repository is needed to push the generated README.md for documentation and automated reporting of test results.

Usage

```
modeltests(  
  mydir = ".",  
  gitdir = NULL,  
  model = NULL,  
  user = NULL,  
  test = NULL,  
  email = TRUE,  
  compScen = TRUE,  
  mattermostToken = NULL  
)
```

Arguments

<code>mydir</code>	Path to the folder where the model is found
<code>gitdir</code>	path to the git clone that sends the report via email
<code>model</code>	Model name
<code>user</code>	the user that starts the job and commits the changes
<code>test</code>	Use this option to run a test of the workflow (no runs will be submitted) The test parameter needs to be of the form "YY-MM-DD"
<code>email</code>	whether an email notification will be send or not
<code>compScen</code>	whether compScen has to run or not
<code>mattermostToken</code>	token used for mattermost notifications

Author(s)

Anastasis Giannousakis, David Klein

See Also

[package2readme](#)

printOutput	<i>printOutput</i>
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Description

Returns the output for getRunStatus nicely

Usage

```
printOutput(string, len1stcol = 67, lenCols = NULL, colSep = " ")
```

Arguments

string	String to print
len1stcol	length of first column
lenCols	vector with length information for all columns
colSep	string separating the columns

Author(s)

Anastasis Giannousakis

promptAndRun	<i>promptAndRun</i>
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Description

prompts runs, will be called by rs2

Usage

```
promptAndRun(mydir = ".", user = NULL, daysback = 3)
```

Arguments

mydir	a dir or vector of dirs
user	the user whose runs will be shown. For -t, the pattern used for matching
daysback	integer defining the number of days -c will look back in time to find runs

Author(s)

Anastasis Giannousakis, Oliver Richters

Examples

```
## Not run:  
  promptAndRun()  
  
## End(Not run)
```

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