Package: doFuture.tests.extra (via r-universe)

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Title Extra Test Sets for the 'doFuture' Package

Depends doFuture (>= 1.1.0)

Imports future (>= 1.80.0)

Suggests tools, BiocParallel, caret, mda, earth, mlbench, fastICA, klaR, MLmetrics, randomForest, gam, doParallel, future.batchtools, future.callr, glmnet, lars, NMF, plyr, TSP, sp, maps

Description Runs examples of packages that use 'foreach' and '%dopar%' for parallelization, where 'doFuture' is used as the 'foreach' adapter making it possible to use any future backend for parallelization. The package tests use these tools to test 'doFuture' with 'foreach'-based examples from packages 'BiocParallel', 'caret', 'doParallel', 'glmnet', 'NMF', 'plyr', and 'TSP'. These tests are run with many known future backends.

License LGPL (>= 2.1)

LazyLoad TRUE

URL https://github.com/futureverse/doFuture.tests.extra

BugReports https://github.com/futureverse/doFuture.tests.extra/issues

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`caret_examples` *Run All Examples of the 'caret' Package via Futureverse*

Description

Run All Examples of the 'caret' Package via Futureverse

Usage

```
caret_examples(exclude = NULL, flavor = NULL)
```

Arguments

`exclude`	(optional) A character vector of Rd topics to exclude.
`flavor`	Control how the adapter should behave. If `"%dopar%"`, it behaves as a classical foreach adapter. If `"%dofuture%"`, it behaves as if `%dofuture%` would have been used instead of `%dopar%`.

Value

Nothing (invisibly `NULL`); the function is called for its side effects of running the examples.

foreach_examples *Run All Examples of the 'foreach' Package via Futureverse*

Description

Run All Examples of the 'foreach' Package via Futureverse

Usage

```
foreach_examples(flavor = NULL)
```

Arguments

flavor	Control how the adapter should behave. If "%dopar%", it behaves as a classical foreach adapter. If "%dofuture%", it behaves as if %dofuture% would have been used instead of %dopar%.

Value

Nothing (invisibly NULL); the function is called for its side effects of running the examples.

glmnet_examples *Run All Examples of the 'glmnet' Package via Futureverse*

Description

Run All Examples of the 'glmnet' Package via Futureverse

Usage

```
glmnet_examples(flavor = NULL)
```

Arguments

flavor	Control how the adapter should behave. If "%dopar%", it behaves as a classical foreach adapter. If "%dofuture%", it behaves as if %dofuture% would have been used instead of %dopar%.

Value

Nothing (invisibly NULL); the function is called for its side effects of running the examples.

plyr_examples *Run All Examples of the 'plyr' Package via Futureverse*

Description

Run All Examples of the 'plyr' Package via Futureverse

Usage

```
plyr_examples(flavor = NULL)
```

Arguments

flavor	Control how the adapter should behave. If "%dopar%", it behaves as a classical foreach adapter. If "%dofuture%", it behaves as if %dofuture% would have been used instead of %dopar%.

Value

Nothing (invisibly NULL); the function is called for its side effects of running the examples.

run_example *Run one package example*

Description

Run one package example

Usage

```
run_example(
  topic,
  package,
  local = FALSE,
  run.dontrun = TRUE,
  envir = globalenv()
)
```

Arguments

topic	name or literal character string: the online help topic the examples of which should be run.
package	a character vector giving the package names to look into for the topic, or NULL (the default), when all packages on the search path are used.
local	logical: if TRUE evaluate locally, if FALSE evaluate in the workspace.

run.dontrun	logical indicating that \dontrun should be ignored, i.e., do run the enclosed code.
envir	The environment from which variables created by the examples should be removed at the end.

Value

Invisibly, returns the processing time.

See Also

utils::example() is used to run the select example.

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run_examples *Run a package's examples for a specific future plan*

Description

Run a package's examples for a specific future plan

Usage

```
run_examples(
  package,
  topics = test_topics(package),
  flavor = NULL,
  strategy,
  ...
)
```

Arguments

package	A package name.
topics	One or more Rd topics.
flavor	Control how the adapter should behave. If "%dopar%", it behaves as a classical foreach adapter. If "%dofuture%", it behaves as if %dofuture% would have been used instead of %dopar%.
strategy	A future strategy passed to future::plan().
...	Additional arguments passed to run_example().

Value

Invisibly, returns the processing time.

test_strategies *Get Available Future Strategies*

Description

Get Available Future Strategies

Usage

```
test_strategies()
```

Value

A character vector of future strategies.

test_topics *Run All Examples of the 'test_topics' Package via Futureverse*

Description

Run All Examples of the 'test_topics' Package via Futureverse

Usage

```
test_topics(package, subset = NA_integer_, max_subset = NULL)
```

Arguments

package	A package name.
subset	An integer index.
max_subset	An integer or NULL.

Value

Return Rd topics.

`TSP_examples` *Run All Examples of the 'TSP' Package via Futureverse*

Description

Run All Examples of the 'TSP' Package via Futureverse

Usage

```
TSP_examples(flavor = NULL)
```

Arguments

`flavor`	Control how the adapter should behave. If `"%dopar%"`, it behaves as a classical foreach adapter. If `"%dofuture%"`, it behaves as if `%dofuture%` would have been used instead of `%dopar%`.

Value

Nothing (invisibly `NULL`); the function is called for its side effects of running the examples.

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