Package 'folderfun'

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Title Creates and Manages Folder Functions for Portable Large-Scale R Analysis

Description If you find yourself working on multiple different projects in R, you'll want a series of folders pointing to raw data, processed data, plot results, intermediate table outputs, etc. This package makes it easier to do that by providing a quick and easy way to create and use functions for project-level directories.

Depends R (> 3.0)

Suggests knitr, rmarkdown, testthat

VignetteBuilder knitr

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URL http://code.databio.org/folderfun

BugReports http://github.com/databio/folderfun

NeedsCompilation no

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R topics documented:

`folderfun` *Manages folder functions*

Description

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Author(s)

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References

http://github.com/databio/folderfun

`listff` *Display of project environment variables*

Description

`listff` displays a two-column matrix of function names with which to access option / environment variable values associated with this package, along with the current value associated with each function.

Usage

```
listff()
```

Value

Two-column matrix in which first column contains function names and the second contains the value associated with each.

optOrEnvVar *Retrieval of value associated with a name*

Description

optOrEnvVar retrieves that value assocaited with the name provided as an argument, prioritizing in its search by first interpreting the given argument as an R option name, and then trying an interpretation as an environment variable if and only if the R option is not set or is an empty string or vector.

Usage

```
optOrEnvVar(name)
```

Arguments

name	The name of the option or env var to fetch

Value

The value associated with the given name, returning NULL if and only if the name is set neither as an option nor as environment variable.

setff *Creator of function to reference project path.*

Description

Creates a folder function for easy access to the directory, named by prepending a prefix specific to this package to the given name. If neither an explicit path not a pathVar holding the value to set is provided, then the given name will be treated as an option or environment variable name, and those locations will be searched for the value to be returned when the function created here is called.

Usage

```
setff(
  name,
  path = NULL,
  pathVar = NULL,
  postpend = NULL,
  loadEnvir = globalenv(),
  failFunction = stop
)
```

Arguments

name	An immutable key given to identify the current folder, and used as a string to create the new folder function
path	An absolute path to a folder that will be prepended when the specified folder function is called
pathVar	Name of the currently set variable whose value should be bound to name. First getOption is used, and then Sys.getenv.
postpend	Value(s) with which to make subpath relative to main path or value fetched from option or environment variable.
loadEnvir	An environment. Into which environment would you like to load the function? Defaults to globalenv. You can replace this with parent.frame to restrict the scope of created functions.
failFunction	A function to call upon failure. Defaults to stop, but you could instead pass warning if you are OK with failures.

Value

A function named ff<name> that when executed without arguments points to the path and appends the provided argument to it if any were provided.

See Also

See this vignette for more detailed explanation of the concept

Examples

```
setff("PROC", "/path/to/directory")
```

Index