

Package ‘OuhscMunge’

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Title Data Manipulation Operations

Description Data manipulation operations frequently used in OUHSC BBMC projects.

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URL <https://github.com/OuhscBbmc/OuhscMunge>, <http://ouhsc.edu/bbmc/>

Depends R(>= 3.0.0)

License GPL-2

LazyData TRUE

Roxygen list(wrap = TRUE)

Imports devtools (>= 1.8.0)

Suggests RODBC,
testthat

R topics documented:

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Description

OuhscMunge.

```
replace_nas_with_explicit
```

Create explicit factor level for missing values.

Description

Missing values are converted to a factor level. This explicit assignment can reduce the chances that missing values are inadvertently ignored. It also allows the presence of a missing to become a predictor in models.

Usage

```
replace_nas_with_explicit(scores, new_na_label = "Unknown",
  create_factor = FALSE, add_unknown_level = FALSE)
```

Arguments

| | |
|--------------------------------|---|
| <code>scores</code> | An array of values, ideally either factor or character. Required |
| <code>new_na_label</code> | The factor label assigned to the missing value. Defaults to Unknown. |
| <code>create_factor</code> | Converts scores into a factor, if it isn't one already. Defaults to FALSE. |
| <code>add_unknown_level</code> | Should a new factor level be created? (Specify TRUE if it already exists.) Defaults to FALSE. |

Value

An array of values, where the NA values are now a factor level, with the label specified by the `new_na_label` value.

Note

The `create_factor` parameter is respected only if `scores` isn't already a factor. Otherwise, levels without any values would be lost. A stop error will be thrown if the operation fails to convert all the NA values.

Author(s)

Will Beasley

Examples

```
library(OuhscMunge) #Load the package into the current R session.
missing_indices <- c(3, 6, 8, 25)
# With a character variable:
a <- letters
a[missing_indices] <- NA_character_
a <- OuhscMunge::replace_nas_with_explicit(a)

# With a factor variable:
b <- factor(letters, levels=letters)
b[missing_indices] <- NA_character_
b <- OuhscMunge::replace_nas_with_explicit(b, add_unknown_level=TRUE)
```

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