Package 'onehot'

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Type Package

Title Fast Onehot Encoding for Data.frames

Version 0.1.1

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Description Quickly create numeric matrices for machine learning algorithms that require them. It converts factor columns into onehot vectors.

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Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

NeedsCompilation yes

Repository CRAN

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Contents

`onehot` *Onehot encode a data.frame*

Description

Onehot encode a data.frame

Usage

```
onehot(data, stringsAsFactors = FALSE, addNA = FALSE, max_levels = 10)
```

Arguments

data	data.frame to convert factors into onehot encoded columns
stringsAsFactors	if TRUE, converts character vectors to factors
addNA	if TRUE, adds NA to factors as a level
max_levels	maximum number of levels to onehot encode per factor variable. Factors with levels exceeding this number will be skipped.

Value

a onehot object descrbing how to transform the data

Examples

```
data(iris)
encoder <- onehot(iris)

## add NAs to factors
encoder <- onehot(iris, addNA=TRUE)

## Convert character fields to factrs
encoder <- onehot(iris, stringsAsFactors=TRUE)

## limit which factors are onehot encoded
encoder <- onehot(iris, max_levels=5)
```

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predict.onehot *Predict onehot objects*

Description

Predict onehot objects

Usage

```
## S3 method for class 'onehot'
predict(object, data, ...)
```

Arguments

object	an object of class onehot
data	a data.frame to onehot encode useing object
...	further arguments passed to or from other methods

Value

a matrix with factor variable onehot encoded

Examples

```
data(iris)
encoder <- onehot(iris)
x <- predict(encoder, iris)
```

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