

Package ‘onehot’

May 2, 2017

Type Package

Title Fast Onehot Encoding for Data.frames

Version 0.1.1

Author Eric E. Graves [aut, cre]

Maintainer Eric E. Graves <gravcon5@gmail.com>

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

License MIT + file LICENSE

Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

NeedsCompilation yes

Repository CRAN

Date/Publication 2017-05-02 16:13:01 UTC

R topics documented:

onehot	1
predict.onehot	2

Index	4
--------------	----------

onehot	<i>Onehot encode a data.frame</i>
--------	-----------------------------------

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 describing how to transform the data

Examples

```

data(iris)
encoder <- onehot(iris)

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

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

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

```

predict.onehot	<i>Predict onehot objects</i>
----------------	-------------------------------

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 using 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)
```

Index

onehot, [1](#), [2](#)

predict.onehot, [2](#)