

Package: caretS3 (via r-universe)

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Type Package

Title A Minimal S3 Interface to 'caret' Models Without Resampling

Version 0.1.0

Description Fits any 'caret' model on a matrix/data frame of predictors and a response, with fixed hyperparameters (no cross-validation), and exposes the result through standard S3 methods: predict(), print(), coef().

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Encoding UTF-8

Imports caret, stats

Suggests glmnet, randomForest, testthat (>= 3.0.0)

Config/testthat/edition 3

Config/pak/sysreqs libicu-dev

Repository <https://techtonique.r-universe.dev>

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caretS3	<i>Fit a caret model with fixed hyperparameters (no resampling)</i>
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Description

Fit a caret model with fixed hyperparameters (no resampling)

Usage

```
caretS3(x, y, method = "glmnet", ..., train_args = list())
```

Arguments

x	Matrix or data frame of predictors.
y	Response vector (numeric for regression, factor for classification).
method	Any model name accepted by <code>caret::train</code> (e.g. "glmnet", "rf", "svmRadial").
...	Hyperparameters for method, passed as a one-row <code>tuneGrid</code> (e.g. <code>alpha = 0.5</code> , <code>lambda = 0.1</code> for "glmnet").
train_args	Named list of extra arguments for <code>caret::train</code> (e.g. <code>list(preProcess = c("center", "scale"))</code>).

Value

An object of class "caretS3".

predict.caretS3	<i>Predict from a caretS3 model</i>
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Description

Predict from a caretS3 model

Usage

```
## S3 method for class 'caretS3'
predict(object, newx, type = c("raw", "prob"), ...)
```

Arguments

object	A caretS3 object.
newx	Matrix or data frame of new predictors, same columns as training.
type	"raw" (predictions/classes) or "prob" (class probabilities).
...	Unused.

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