

Package ‘ensembleR’

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Type Package

Title Ensemble Models in R

Version 0.1.0

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Description Functions to use ensembles of several machine learning models specified in caret package.

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Imports caret(>= 6.0-71)

Suggests e1071, ipred, knitr, rmarkdown

RoxygenNote 5.0.1

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

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R topics documented:

ensemble	1
Index	3

ensemble	<i>Perform Ensemble modelling using Caret Package.</i>
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Description

Take any number of Machine Learning Models as Base Models and one Machine Learning Model as Top model to produce an ensemble of models.

Usage

```
ensemble(training, testing, outcomeName, BaseModels, TopModel)
```

Arguments

<code>training</code>	a dataset containing the outcome variable with all other independent variables.
<code>testing</code>	a dataset containing all the independent variable columns as well as outcome variable column with NULL values i.e. must have same no. of columns as the training dataset
<code>outcomeName</code>	the column name associated with outcome variable in the training dataset.
<code>BaseModels</code>	character string vector containing the names of all base models as in 'caret package' desired to be used for ensembling.
<code>TopModel</code>	name of the model as in 'caret package' that is wished to be used on top.

Value

predictions the estimated outcome variables column for testing dataset.

Examples

```
data(iris)
preds <- ensemble(iris[1:125,],iris[125:150,],'Species',c('trebag','rpart'),'rpart')
table(preds)
```

Index

ensemble, 1