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.
License GPL-2
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:

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ensemble

Perform Ensemble modelling using Caret Package.

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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**

- **training**: a dataset containing the outcome variable with all other independent variables.
- **testing**: 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.
- **outcomeName**: the column name associated with outcome variable in the training dataset.
- **BaseModels**: character string vector containing the names of all base models as in 'caret package' desired to be used for ensembling.
- **TopModel**: 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**

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