### rforest

Returns the predicted target using the Random Forest modeling (a way of training an ensemble of decision trees).

#### Syntax

Predict using a stored training model.

rforest [size=INT] model=MODEL

Predict using a model trained based on subquery results.

rforest [size=INT] target=TARGET\_FILED FIELD, ... [ SUBQUERY ]

Required Parameter

**FIELD, ...**

Fields as predictor variables for the Random Forest modeling.

**model=MODEL**

Name of the Random Forest model. You can generate and train the Random Forest model by connecting to the Logpresso engine via CLI.

**target=TARGET\_FIELD**

Field as a target variable for the Random Forest modeling.

**[ SUBQUERY ]**

Subquery that returns the data set for model training.

Optional Parameter

**size=INT**

Number of trees within the random forest (default: 100)

#### Description

This command returns the predicted value of the target field into the **\_guess** field.

#### Usages

Predict using the rforest\_titanic model.

# Download: https://raw.githubusercontent.com/logpresso/dataset/main/titanic/train.csv table titanic\_test | rforest model=rforest\_titanic | eval \_guess = if(\_guess=="0", "사망 ", "생존")

Predict using a model trained based on the training data set returned from a subquery.

table titanic\_test | rforest target=Survived Pclass, Sex, Age, Fare, Embarked [ csvfile /test/train.csv | eval Age=double(Age), Fare=double(Fare), CanbinLetter=nvl(substr(Cabin, 0, 1), "--"), TicketType=if(isnull(long(Ticket)), substr (Ticket, 0, indexof(Ticket, " ")), "--") | rex field=Name ", (?<Title>[^.]+)" | eval Survived = if(Survived=="0", " 사망 ", "생존") ]