Package ‘ImHD’

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Type Package
Title Artificial Intelligence Based Machine Learning Algorithms for Height Diameter Relationships of Conifer Trees
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Description Estimating height of forest plant is one of the key challenges of recent times. This package will help to fit and validate AI (Artificial Intelligence) based machine learning algorithms for estimation of height of conifer trees based on diameter at breast height as explanatory variable using algorithm of Paul et al. (2022) <doi:10.1371/journal.pone.0270553>..
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ImHD

Artificial Intelligence Based Machine Learning Algorithms for Height Diameter Relationships of Conifer Trees

Description

Artificial Intelligence Based Machine Learning Algorithms for Height Diameter Relationships of Conifer Trees

Usage

ImHD(data, splitratio = 0.7)

Arguments

data     Datasets
splitratio    Train-Test split ratio

Value

• Prediction: Prediction of all ML models
• Accuracy: Accuracy metrics

References


Examples

library("ImHD")
data <- system.file("extdata", "data_test.csv", package = "ImHD")
data_test <- read.csv(data)
Model <- ImHD(data = data_test)
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