## Package 'Mestimate'

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mortality. This package provides three optimal boosting trees models according to the life history parameters used for M estimate. People are not always able to get all the fish life history parameters. We recommend using the BRT1 model when only the parameter tmax is available, and BRT2 model When only the parameters K and Linf are available. When all life parameters are available, we recommend using the BRT3 model, which performs best in M estimation.

### Usage

Mestimate(mydata,method)

2 Mestimate

#### **Arguments**

mydata Dataframe containing the life history parameters

method BRT1,BRT2 or BRT3

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### **Examples**

```
library(Mestimate)
data(mydata)
K=mydata$K
Linf=mydata$Linf
tmax=mydata$tmax
Class=as.factor(mydata$class)
mydata1=data.frame(tmax,Class)
mydata2=data.frame(K,Linf,Class)
mydata3=data.frame(K,Linf,tmax,Class)
predictedM1=Mestimate(mydata1,method="BRT1")
predictedM2=Mestimate(mydata2,method="BRT2")
predictedM3=Mestimate(mydata3,method="BRT3")
```

# Index

\*Topic **regression**Mestimate, 1

Mestimate, 1