

Package ‘saeBest’

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Type Package

Title Selecting Auxiliary Variables in Small Area Estimation (SAE) Model

Version 0.1.0

Imports sae

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Description Select best combination of auxiliary variables with certain criterion.

License GPL-3

Encoding UTF-8

LazyData true

RoxygenNote 7.1.2

Depends R (>= 2.10)

NeedsCompilation no

Repository CRAN

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data	<i>Dataset</i>
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Description

Dataset

Usage

data(data)

Format

An object of class

eblupBest	<i>Selecting Auxiliary Variables in Small Area Estimation (SAE) Model</i>
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Description

Select best combination of auxiliary variables with certain criterion

Usage

eblupBest(y, x, vardir, criterion = "AIC", data)

Arguments

y	name of response variable
x	vector of auxiliary variables' name
vardir	name of variance direct
criterion	"loglike", "AIC", "BIC", and "KIC" (default = "AIC")
data	input dataset

Value

an EBLUP-FH model with best auxiliary variables and the dataset

Examples

```
library(saeBest)
example = eblupBest(y = "y", x = c("x1", "x2", "x3"), vardir = "var", data = data)
```

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