

Package ‘RcmdrPlugin.EstOR’

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Type Package

Title Estimate Odds Ratio for summary(glm(..., family=binomial, ...)) object

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Depends R (>= 2.10.0), Rcmdr, stats

Description This package provides an R Commander plug-in for the glm package along with logistic model estimation. If you input a result of glm(...) model object or active model object, it estimate odds ratio and confidence interval.

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Collate ‘EstOR.button.R’ ‘EstOR.estimate.R’ ‘package.R’ ‘print.EstOR.estimate.R’

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RcmdrPlugin.EstOR-package
Estimate Odds Ratio for summary(glm(..., family = binomial, ...)) object

Description

This package provides an R Commander plug-in for the glm package along with logistic model estimation. If you input a result of glm(...) model object or active model object, it estimate odds ratio and a Wald confidence interval. The Wald confidence interval is based on a normal approximation.

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See Also

[Rcmdr](#), [glm](#),

EstOR.button	<i>R Commander plug-in menu bar function</i>
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Description

This function is R Commander plug-in menu bar function.

Usage

```
EstOR.button()
```

See Also

[EstOR.estimate](#)

EstOR.estimate	<i>Estimate odds ratio and confidence interval function for glm(...) model object</i>
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Description

This function estimates odds ratio and confidence interval. To normally calculate, you must assign `glm(..., family = "binomial", link = "logit", ...)`. Default alpha level is 0.05, and this function gives Wald confidence intervals based on a normal approximation.

Usage

```
EstOR.estimate(ModelName, alpha = 0.05)
```

Arguments

ModelName	glm(...) model object name, only family = "binomial" & link = "logit"
alpha	alpha level of confidence interval

Value

Variables	vector of Effect variables name
OddsRatioEst	vector of estimate odds ratios
LowerCL	vector of lower confidence limits
UpperCL	vector of upper confidence limits
alpha	alpha level of confidence interval

`print.EstOR.estimate` *Print function for EstOR.estimate object*

Description

This function print result of function [EstOR.estimate](#)

Usage

```
## S3 method for class 'EstOR.estimate'  
print(x, ...)
```

Arguments

`x` Object of class `EstOR.estimate`, which is result of function [EstOR.estimate](#).
`...` Other parameters used in the function.

See Also

[EstOR.estimate](#)

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