Package ‘reportReg’

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Type Package
Title An Easy Way to Report Regression Analysis
Version 0.3.0
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Description Provides an easy way to report the results of regression analysis, including:
1. Proportional hazards regression from function 'coxph' of package 'survival';
2. Conditional logistic regression from function 'clogit' of package 'survival';
3. Ordered logistic regression from function 'polr' of package 'MASS';
4. Binary logistic regression from function 'glm' of package 'stats';
5. Linear regression from function 'lm' of package 'stats';
6. Risk regression model for survival analysis with competing risks from function 'FGR' of package 'riskRegression';
7. Multilevel model from function 'lme' of package 'nlme'.
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An Easy Way to Report Regression Analysis

Description

Provides an easy way to report the results of regression analysis, including: 1. Proportional hazards regression from function 'coxph' of package 'survival'; 2. Conditional logistic regression from function 'clogit' of package 'survival'; 3. Ordered logistic regression from function 'polr' of package 'MASS'; 4. Binary logistic regression from function 'glm' of package 'stats'; 5. Linear regression from function 'lm' of packages 'stats'; 6. Risk regression model for survival analysis with competing risks from function 'FGR' of package 'riskRegression'; 7. Multilevel model from function 'lme' of package 'nlme'.

Usage

reportReg(fit, expTr)

Arguments

fit          object of regression, including 'survival::coxph', 'survival::clogit', 'MASS::polr', 'glm', 'lm' and 'riskRegression::FGR'
expTr        TRUE or FALSE, should the coefficients be transformed by exponential function, default is TRUE

Value

OR          odds ratio
HR          hazard ratio
Beta        regression coefficient
CI          95 percent confidence interval
P           p value

Note

Please feel free to contact us, if you have any advice and find any bug!

More functions will be included in 'reportReg' package!

Update description:

Version 0.2.0: 1. the model with just intercept can be identified. 2. risk regression model for survival analysis with competing risks was included and supported. 3. the estimated statistic of cox regression is updated from 'OR' to 'HR'. 4. multilevel model was included and supported.

Version 0.3.0: 1. argument 'expTr' was added. 2. the 'clogit' function from 'survival' package was added in the description and argument of 'fit'. 3. the 'coxph' function with 'cluster' was available.
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Examples
x=rnorm(10)
y=rnorm(10)
fit=lm(y~x)
reportReg(fit)
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