

Package ‘odds.n.ends’

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Title Odds Ratios, Contingency Table, and Model Significance from a Generalized Linear Model Object

Version 0.1.1

Imports MASS

Description Computes odds ratios and 95% confidence intervals from a generalized linear model object. It also computes model significance with the chi-squared statistic and p-value and it computes model fit using a contingency table to determine the percent of observations for which the model correctly predicts the value of the outcome. Calculates model sensitivity and specificity.

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odds.n.ends *A logistic regression function*

Description

This function allows you to compute model significance (model chi-squared), model fit (percent correctly predicted), and odds ratios with 95 percent confidence intervalS for a glm object from a logistic regression analysis.

Usage

```
odds.n.ends(x)
```

Arguments

x is a glm object

Examples

```
sick <- c(0, 0, 0, 0, 1, 1, 1, 1, 1, 0, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1)
age <- c(23, 25, 26, 34, 54, 46, 48, 95, 81, 42, 62, 25, 31, 49, 57, 52, 54, 63, 61, 50)
logisticModel <- glm(sick ~ age, na.action = na.exclude, family = binomial(logit))
odds.n.ends(logisticModel)
```

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