Package: rmsMD (via r-universe)

March 7, 2025

Type Package

Title Output Results from 'rms' Models for Medical Journals

Version 0.1.2

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Description This takes the output of models performed using the 'rms' package and returns a dataframe with the results. This output is in the format required by medical journals. For example for cox regression models, the hazard ratios, their 95% confidence intervals, and p values will be provided. There are additional functions for outputs when the model included restricted cubic spline (RCS) terms. Models using imputed data (eg from aregimpute()) and fitted used fit.mult.impute() can also be processed. The dataframe which is returned can easily be turned into a publication ready table with packages 'flextable' and 'officer'.

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Encoding UTF-8

LazyData true

URL https://github.com/sjtingle/rmsMD

BugReports https://github.com/sjtingle/rmsMD/issues

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

Imports rms

Suggests knitr, rmarkdown, devtools, officer, flextable, dplyr, MASS, testthat (>= 3.0.0), survival

VignetteBuilder knitr

Config/testthat/edition 3

Config/pak/sysreqs make libicu-dev

Repository https://sjtingle.r-universe.dev

RemoteUrl https://github.com/sjtingle/rmsmd

RemoteRef HEAD

RemoteSha b417d6994efb6e5d191c096eb029731a0f609696

Contents

`modelsummary_rms` *Create model summary for rms models*

Description

The `modelsummary_rms` function processes the output from models fitted using the **rms** package and generates a summarized dataframe of the results. This summary is tailored for publication in medical journals, presenting effect estimates, confidence intervals, and p-values.

Usage

```
modelsummary_rms(
  modelfit,
  combine_ci = TRUE,
  round_dp_coef = 3,
  round_dp_p = 3,
  rcs_overallp = TRUE,
  hide_rcs_coef = TRUE,
  exp_coef = NULL,
  fullmodel = FALSE
)
```

Arguments

`modelfit`	The output from an rms model.
`combine_ci`	If `TRUE`, combines the effect estimates and 95% confidence intervals into a single column. Default is `TRUE`.
`round_dp_coef`	Specifies the number of decimal places to display for the effect estimates. Default is `3`.
`round_dp_p`	Specifies the number of decimal places to display for P values. Default is `3`.
`rcs_overallp`	If `TRUE`, provides an overall P value for Restricted Cubic Spline (RCS) terms, sourced from `anova(modelfit)`. Default is `FALSE`.
`hide_rcs_coef`	If `TRUE`, hides the individual coefficients for Restricted Cubic Spline (RCS) variables. Default is `FALSE`.
`exp_coef`	If `TRUE`, outputs the exponentiated coefficients (`exp(coef)`) as the effect estimates. Applicable only for model types other than `ols`, `lrm`, or `cph`. If `NULL`, no exponentiation is performed. Default is `NULL`.

`fullmodel` If `TRUE`, includes all intermediate steps in the summary, allowing users to verify and compare with standard model outputs. Default is `FALSE`.

Value

Returns a dataframe of results. This can easily be outputted to word using packages such as flextable and officer.

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