Package ‘outreg’

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Type Package
Title Regression Table for Publication
Version 0.2.2
Description Create regression tables for publication.
        Currently supports 'lm', 'glm', 'survreg', and 'ivreg' outputs.
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Imports magrittr, reshape2, sandwich, stats, stringr, tidyr, utils
Suggests AER, survival, testthat
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Author Kota Mori [aut, cre]
Maintainer Kota Mori <kmori05@gmail.com>
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get_display_names  
Return display name for stats

Description
Return display name for stats

Usage
get_display_names(stats)

Arguments
stats character vector of stats

Value
character vector of display names

outreg  
Generate Regression Table

Description
Generate a regression table in data.frame format from a set of model fit objects. Currently supports lm, glm, survreg, and ivreg model outcomes.

Usage
outreg(fitlist, digits = 3L, alpha = c(0.1, 0.05, 0.01),
bracket = c("se"), starred = c("coef"), robust = FALSE, small = TRUE,
constlast = FALSE, norepeat = TRUE, displayed = list(), ...)

Arguments
fitlist list of regression outcomes
digits number of decimal places for real numbers
alpha vector of significance levels to star
bracket stats to be in brackets
starred stats to put stars on
robust if TRUE, robust standard error is used
small if TRUE, small sample parameter distribution is used
constlast if TRUE, intercept is moved to the end of coefficient list
norepeat if TRUE, repeated variable names are replaced by a empty string
displayed a list of named logicals to customize the stats to display
... alternative way to specify which stats to display
Details

Use outreg_stat_list to see the available stats names. The stats names are to be used for specifying bracket, starred, and displayed options.

Statistics to include can be chosen by displayed option or by `...`. For example, outreg(fitlist, displayed = list(pv = TRUE)) is identical with outreg(fitlist pv = TRUE), and p values of coefficients are displayed.

Value

regression table in data.frame format

Examples

```r
fitlist <- list(lm(mpg ~ cyl, data = mtcars),
                lm(mpg ~ cyl + wt + hp, data = mtcars),
                lm(mpg ~ cyl + wt + hp + drat, data = mtcars))

outreg(fitlist)

# with custom regression names
outreg(setNames(fitlist, c('small', 'medium', 'large')))

# star on standard errors, instead of estimate
outreg(fitlist, starred = 'se')

# include other stats
outreg(fitlist, pv = TRUE, tv = TRUE, se = FALSE)

# poisson regression
counts <- c(18,17,15,20,10,20,25,13,12)
outcome <- gl(3,1,9)
treatment <- gl(3,3)
fitlist2 <- list(glm(counts ~ outcome, family = poisson()),
                 glm(counts ~ outcome + treatment, family = poisson()))
outreg(fitlist2)

# logistic regression
fitlist3 <- list(glm(cbind(ncases, ncontrols) ~ agegp, data = esoph, family = binomial()),
                 glm(cbind(ncases, ncontrols) ~ agegp + tobgp + alcgp, data = esoph, family = binomial()),
                 glm(cbind(ncases, ncontrols) ~ agegp + tobgp * alcgp, data = esoph, family = binomial()))
outreg(fitlist3)

# survival regression
library(survival)
fitlist4 <- list(survreg(Surv(time, status) ~ ph.ecog + age, data = lung),
                 survreg(Surv(time, status) ~ ph.ecog + age, data = lung),
                 survreg(Surv(time, status) ~ ph.ecog + age, data = lung))
outreg(fitlist4)
```
outreg_stat_list

List of Statistics Available on outreg

Description

Returns all available statistics on outreg. Statistics names can be used for customizing the outputs, e.g., to choose stats to display or to choose stats to put starts.

Usage

outreg_stat_list()

Value

a data.frame that matches stat name and display name

Examples

outreg_stat_list()
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