

Package ‘stargazer2’

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Type Package

Title Beautiful Regression Tables for Modern Econometrics Packages

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Description Produces publication-quality LaTeX, ASCII, and HTML regression tables. Designed as a drop-in replacement for the 'stargazer' package for 'lm' and 'glm' models, with added native support for 'fixest', 'plm', and 'alpaca' objects including automatic fixed-effect and random-effect indicator rows and SE-type detection. Standard errors can be supplied as variance-covariance matrices, numeric vectors, or auto-extracted from supported model objects. Follows the interface of Hlavac (2022) <<https://CRAN.R-project.org/package=stargazer>>.

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Encoding UTF-8

Imports stats

Suggests fixest (>= 0.11.0), alpaca, plm, sandwich, wooldridge, stargazer, knitr, rmarkdown, testthat (>= 3.0.0)

VignetteBuilder knitr

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NeedsCompilation no

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Contents

alpaca_vcovCL	2
alpaca_vcovSandwich	3
stargazer	3

alpaca_vcovCL	<i>Cluster-robust variance-covariance matrix for alpaca feglm</i>
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Description

Wraps `summary(mod, type = "clustered", cluster = cluster)` and returns a diagonal variance-covariance matrix that [stargazer](#) recognises and labels with the appropriate "clustered by ..." description.

Usage

```
alpaca_vcovCL(mod, cluster)
```

Arguments

<code>mod</code>	A fitted <code>feglm</code> object from the alpaca package.
<code>cluster</code>	A one-sided formula identifying the clustering variable(s). Use <code>~X</code> for one-way, <code>~X + Y</code> for two-way additive, or <code>~X^Y</code> for two-way interaction clustering.

Value

A square diagonal matrix of class `"vcovAlpacaCL"` with a `"cluster"` attribute containing the cluster formula.

Examples

```
if (requireNamespace("alpaca", quietly = TRUE)) {
  d <- data.frame(
    y = rbinom(200, 1, 0.5),
    x1 = rnorm(200),
    grp = factor(rep(1:10, 20))
  )
  mod <- alpaca::feglm(y ~ x1 | grp, d, binomial("logit"))
  V <- alpaca_vcovCL(mod, cluster = ~grp)
  stargazer(mod, vcov = list(V), type = "text")
}
```

alpaca_vcovSandwich	<i>Heteroskedasticity-robust variance-covariance matrix for alpaca feglm</i>
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Description

Wraps `summary(mod, type = "sandwich")` and returns a diagonal variance-covariance matrix that [stargazer](#) recognises and labels as "heteroskedasticity-robust standard errors".

Usage

```
alpaca_vcovSandwich(mod)
```

Arguments

`mod` A fitted `feglm` object from the **alpaca** package.

Value

A square diagonal matrix of class "vcovAlpacaSandwich" with squared sandwich standard errors on the diagonal.

Examples

```
if (requireNamespace("alpaca", quietly = TRUE)) {
  d <- data.frame(
    y = rbinom(200, 1, 0.5),
    x1 = rnorm(200),
    grp = factor(rep(1:10, 20))
  )
  mod <- alpaca::feglm(y ~ x1 | grp, d, binomial("logit"))
  V <- alpaca_vcovSandwich(mod)
  stargazer(mod, vcov = list(V), type = "text")
}
```

stargazer	<i>Produce Publication-Quality Regression Tables</i>
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Description

Produces publication-quality regression tables, following the interface of the **stargazer** package, with native support for modern econometrics packages including **fixest** and **alpaca**. Outputs LaTeX, plain-text (ASCII), and HTML tables.

Usage

```

stargazer(
  ...,
  type = "latex",
  title = "",
  label = "",
  dep.var.labels = NULL,
  dep.var.caption = NULL,
  column.labels = NULL,
  column.separate = NULL,
  covariate.labels = NULL,
  coef.rename = NULL,
  omit = NULL,
  keep = NULL,
  omit.stat = NULL,
  digits = 3L,
  star.cutoffs = c(0.1, 0.05, 0.01),
  star.char = c("×", "××", "×××"),
  notes = NULL,
  notes.append = TRUE,
  notes.align = NULL,
  notes.label = NULL,
  font.size = NULL,
  no.space = FALSE,
  style = "stargazer2",
  obs.label = NULL,
  summary.stat = NULL,
  median = FALSE,
  vcov = NULL,
  se = NULL,
  se_label = NULL,
  out = NULL
)

```

Arguments

...	One or more fitted model objects. Supported classes: <code>lm</code> , <code>glm</code> , <code>plm</code> , <code>fixest</code> (<code>feols</code> , <code>fepois</code> , <code>fenegbin</code> , <code>feglm</code>), <code>alpaca::feglm</code> , and <code>summary.feglm</code> .
<code>type</code>	Character; output format. One of "latex" (default), "text", or "html".
<code>title</code>	Character; table caption.
<code>label</code>	Character; LaTeX cross-reference label (used with <code>type = "latex"</code> only).
<code>dep.var.labels</code>	Character vector; custom labels for the dependent variable(s). Applied in column order.
<code>dep.var.caption</code>	Character; caption text above the dep-var row. Default: " <code>\textit{\{Dependent variable:\}}</code> " for LaTeX.

<code>column.labels</code>	Character vector; custom column header labels. Overrides the auto-detected model-type labels.
<code>column.separate</code>	Integer vector; controls how many consecutive columns share each <code>column.labels</code> entry. Unused in the current version.
<code>covariate.labels</code>	Character vector; display names for covariates, applied positionally after <code>omit/keep</code> filtering.
<code>coef.rename</code>	Named character vector mapping raw coefficient names to new display names before the column union is computed. Names are the existing coefficient names; values are the replacement names. Useful for aligning TWFE event-study year indicators with relative-time labels from other estimators, e.g. <code>c("year::2004" = "t = -2", "year::2005" = "t = -1")</code> .
<code>omit</code>	Character vector; regex patterns — covariates whose names match any pattern are excluded from the table.
<code>keep</code>	Character vector; regex patterns — only covariates whose names match are included (applied after <code>omit</code>).
<code>omit.stat</code>	Character vector; stat identifiers to suppress. Recognised values: <code>"n"</code> , <code>"r2"</code> , <code>"adj.r2"</code> , <code>"sigma"</code> , <code>"f"</code> , <code>"pr2"</code> , <code>"ll"</code> .
<code>digits</code>	Integer; number of decimal places for coefficients, SEs, and most fit statistics. Default: 3.
<code>star.cutoffs</code>	Numeric vector of length 3; p-value thresholds for one, two, and three stars. Default: <code>c(0.1, 0.05, 0.01)</code> .
<code>star.char</code>	Character vector of length 3; star symbols. Default: <code>c("*", "**", "***")</code> .
<code>notes</code>	Character vector; additional table notes appended after the SE-type note.
<code>notes.append</code>	Logical; if FALSE, the default SE-type and significance notes are replaced by notes. Default: TRUE.
<code>notes.align</code>	Character; cell alignment for the note row in LaTeX (<code>"l"</code> , <code>"c"</code> , or <code>"r"</code>). NULL (default) defers to the style preset: <code>"l"</code> for <code>"stargazer2"</code> and <code>"aer"</code> , <code>"r"</code> for <code>"stargazer"</code> and <code>"qje"</code> .
<code>notes.label</code>	Character; text preceding the note. Default: <code>"\textit{\{Note:\} }"</code> .
<code>font.size</code>	Character; LaTeX font-size command (e.g. <code>"small"</code> , <code>"footnotesize"</code>). NULL (default) means no size command is inserted.
<code>no.space</code>	Logical; suppress blank spacer rows in the table body. Only affects <code>style = "stargazer"</code> . Default: FALSE.
<code>style</code>	Character; table formatting style. Controls overall layout, rule style, notes format, and significance-note wording. <code>"stargazer2"</code> (Default) Clean layout: single <code>\hline</code> throughout, no <code>\cline</code> , full-width left-aligned notes cell ending in a period, p-value significance legend. <code>"stargazer"</code> Replicates the original stargazer output byte-for-byte: double top rule with <code>\{[-1.8ex{[}]}</code> , <code>\cline</code> , blank spacer rows (controlled by <code>no.space</code>), right-aligned notes.

	"aer" American Economic Review style: clean layout, no "Dependent variable:" caption, single bottom rule, left-aligned notes with text significance descriptions.
	"qje" Quarterly Journal of Economics style: like "aer" but double bottom rule, right-aligned notes, and $\textit{t}{N}$ for the observations label.
obs.label	Character; overrides the label for the Observations row. Defaults to the style preset ("Observations" for most styles, $\textit{t}{N}$ for "qje").
summary.stat	Character vector; which summary statistics to include when stargazer is called with a data.frame. Recognised values: "n", "mean", "sd", "min", "max", "median", "p25", "p75". Default: c("n", "mean", "sd", "min", "max").
median	Logical; if TRUE, add a Median column to summary tables. Equivalent to including "median" in summary.stat. Default: FALSE.
vcov	List of variance-covariance matrices (one per model, or NULL for a given model to fall back to auto-extraction). Takes priority over se. The square root of the diagonal is extracted internally.
se	List of numeric vectors of standard errors (one per model, or NULL to fall back to auto-extraction). Used only when vcov is not supplied for a given model.
se_label	Character vector (one per model, or a single string applied to all) overriding the auto-detected SE-type description used in the table note. Useful when supplying a vcov matrix whose type cannot be detected automatically. Examples: "Heteroskedasticity-robust standard errors (HC1)", "Standard errors clustered by firm".
out	Character; file path. If provided, output is written to the file (appending the appropriate extension if absent). The table string is also returned invisibly.

Value

The rendered table as a single character string, returned invisibly. Also printed to the console unless out is specified.

Examples

```
m1 <- lm(mpg ~ cyl + hp, mtcars)
m2 <- lm(mpg ~ cyl + hp + wt, mtcars)
stargazer(m1, m2, type = "text")
stargazer(m1, m2, type = "latex")
```

Index

alpaca_vcovCL, [2](#)

alpaca_vcovSandwich, [3](#)

stargazer, [2](#), [3](#), [3](#)