Package 'ggirf'

June 3, 2024

gg_lpirfs_lin	Type Package
Author Muhsin Ciftci Maintainer Muhsin Ciftci <muhsin.ciftci@stud.uni-frankfurt.de> Description This package provides with ggplot2 backend for impulse response analysis in macroeconometric estimations across many packages in R. It aims to make post estimation easy and flexible. License MIT + file LICENSE Encoding UTF-8 LazyData true Roxygen list(markdown = TRUE) RoxygenNote 7.2.3 Imports dplyr,</muhsin.ciftci@stud.uni-frankfurt.de>	Title ggplot2 backednd for impulse response analysis
Maintainer Muhsin Ciftci <muhsin.ciftci@stud.uni-frankfurt.de> Description This package provides with ggplot2 backend for impulse response analysis in macroeconometric estimations across many packages in R. It aims to make post estimation easy and flexible. License MIT + file LICENSE Encoding UTF-8 LazyData true Roxygen list(markdown = TRUE) RoxygenNote 7.2.3 Imports dplyr, ggplot2, lpirfs, tibble, tidyr, vars Suggests testthat (>= 3.0.0) Config/testthat/edition 3 R topics documented: gg_colors gg_lpirfs_lin gg_theme_irf</muhsin.ciftci@stud.uni-frankfurt.de>	Version 0.2.0
Description This package provides with ggplot2 backend for impulse response analysis in macroeconometric estimations across many packages in R. It aims to make post estimation easy and flexible. License MIT + file LICENSE Encoding UTF-8 LazyData true Roxygen list(markdown = TRUE) RoxygenNote 7.2.3 Imports dplyr,	Author Muhsin Ciftci
This package provides with ggplot2 backend for impulse response analysis in macroeconometric estimations across many packages in R. It aims to make post estimation easy and flexible. License MIT + file LICENSE Encoding UTF-8 LazyData true Roxygen list(markdown = TRUE) RoxygenNote 7.2.3 Imports dplyr,	Maintainer Muhsin Ciftci <muhsin.ciftci@stud.uni-frankfurt.de></muhsin.ciftci@stud.uni-frankfurt.de>
Encoding UTF-8 LazyData true Roxygen list(markdown = TRUE) RoxygenNote 7.2.3 Imports dplyr,	This package provides with ggplot2 backend for impulse response analysis in macroeconomet-
LazyData true Roxygen list(markdown = TRUE) RoxygenNote 7.2.3 Imports dplyr,	License MIT + file LICENSE
Roxygen list(markdown = TRUE) RoxygenNote 7.2.3 Imports dplyr,	Encoding UTF-8
RoxygenNote 7.2.3 Imports dplyr, ggplot2, lpirfs, tibble, tidyr, vars Suggests testthat (>= 3.0.0) Config/testthat/edition 3 R topics documented: gg_colors gg_lpirfs_lin gg_theme_irf	LazyData true
Imports dplyr, ggplot2, lpirfs, tibble, tidyr, vars Suggests testthat (>= 3.0.0) Config/testthat/edition 3 R topics documented: gg_colors gg_lpirfs_lin gg_theme_irf	Roxygen list(markdown = TRUE)
ggplot2, lpirfs, tibble, tidyr, vars Suggests testthat (>= 3.0.0) Config/testthat/edition 3 R topics documented: gg_colors gg_lpirfs_lin gg_theme_irf	RoxygenNote 7.2.3
Config/testthat/edition 3 R topics documented: gg_colors gg_lpirfs_lin gg_theme_irf	ggplot2, lpirfs, tibble, tidyr,
R topics documented: gg_colors gg_lpirfs_lin gg_theme_irf	Suggests testthat (>= 3.0.0)
gg_colors	Config/testthat/edition 3
gg_lpirfs_lin	R topics documented:
	gg_lpirfs_lin
Index	Index

2 gg_lpirfs_lin

gg_colors

Provide color support for ggplots.

Description

Provide color support for ggplots.

Usage

gg_colors

Format

An object of class character of length 14.

Value

colors as a vector

gg_lpirfs_lin

Plot impulse response of linear local projections in lpirfs package.

Description

Plot impulse response of linear local projections in lpirfs package.

Usage

```
gg_lpirfs_lin(
    lp_lin,
    shock_lp,
    endo_lp = lp_lin$specs$column_names,
    line_color = "black",
    shade_color = "#009CDE",
    alpha_trans = 0.5,
    scale_option = "free",
    chart_title = NULL,
    xlab = NULL,
    ylab = NULL,
    num_col = NULL,
    return_only_data = FALSE
)
```

gg_theme_irf 3

Arguments

lp_lin estimation results from the lpirfs package shock_lp Which shock in the local projections endo_lp Which endogenous variables to plot? Default is all variables line_color Provide the line color of impulse response (mean value) shade_color Provide the shade color of impulse response (confidence interval) alpha_trans Transparency of shade colors scale_option Provide scaling options. Options are free_x, free_y and free. For details refer to ggplot2 facet_wrap chart_title The chart title label on x axis xlab ylab label on y axis num_col Number of columns when faceting charts return_only_data

Should return only the resulting data instead of ggplot2 chart? Useful for post

processing and comparison with other methods

Value

Returns a ggplot2 chart

gg_theme_irf This function applies a custom theme to ggplot2 plots.

Description

This function applies a custom theme to ggplot2 plots.

Usage

```
gg_theme_irf()
```

Value

A ggplot2 theme object.

gg_vars

gg_vars

Plot impulse response from vars package.

Description

Plot impulse response from vars package.

Usage

```
gg_vars(
  irf_result,
  var_shock,
  var_endo = var_irf$response,
  line_color = "black",
  shade_color = "#009CDE",
  alpha_trans = 0.5,
  scale_option = "free",
  xlab = NULL,
  ylab = NULL,
  num_col = NULL,
  return_only_data = FALSE
)
```

Arguments

irf_result	impulse response from a var	
var_shock	Which shock in the VAR	
var_endo	Which endogenous variables to plot? Default is all variables	
line_color	Provide the line color of impulse response (mean value)	
shade_color	Provide the shade color of impulse response (confidence interval)	
alpha_trans	Transparency of shade colors	
scale_option	Provide scaling options. Options are free_x, free_y and free. For details refer to ggplot2 facet_wrap	
xlab	label on x axis	
ylab	label on y axis	
num_col	Number of columns when faceting charts	
return_only_data		
	Should return only the resulting data instead of ggplot2 chart? Useful for post	

processing and comparison with other methods

Value

Returns a ggplot2 chart

Index

```
* datasets

gg_colors, 2

gg_lpirfs_lin, 2

gg_theme_irf, 3

gg_vars, 4
```