Package ‘plotor’
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Type Package
Title Produces an Odds Ratio Plot from a Logistic Regression Model
Version 0.4.1
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Description Produces an Odds Ratio (OR) Plot to visualise the result of a logistic regression analysis. Provide it with a binomial regression model produced by ‘glm()’ and it will convert the estimates to odds ratios with a 95% confidence interval and plot the results using ‘ggplot2’.
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Encoding UTF-8
Imports broom, dplyr, ggplot2, glue, purrr, scales, stats, tidyselect
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Suggests datasets, forcats, knitr, labelled, rmarkdown, testthat (>= 3.0.0), tidy
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URL https://github.com/craig-parylo/plotor,
https://craig-parylo.github.io/plotor/
BugReports https://github.com/craig-parylo/plotor/issues
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Description

Produces an Odds Ratio plot to visualise the results of a logistic regression analysis.

Usage

plot_or(glm_model_results)

Arguments

glm_model_results

Results from a binomial Generalised Linear Model (GLM), as produced by stats::glm().

Value

plotor returns an object of class gg and ggplot

See Also

See vignette('using_plotor', package = 'plotor') for more details on use.

More details and examples are found on the website: https://craig-parylo.github.io/plotor/index.html

Examples

# libraries
library(plotor)
library(datasets)
library(dplyr)
library(ggplot2)
library(stats)
library(forcats)
library(tidyr)

# get some data
df <- datasets::Titanic |> as_tibble() |> 
  filter(n > 0) |> uncount(weights = n) |> 
  mutate(across(where(is.character), as.factor))

# perform logistic regression using `glm`
lr <- glm(
plot_or

    data = df,
    family = 'binomial',
    formula = Survived ~ Class + Sex + Age

)  # produce the Odds Ratio plot
plot_or(lr)
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