

Package ‘plotor’

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Type Package

Title Produces an Odds Ratio Plot from a Logistic Regression Model

Version 0.5.1

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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

RoxygenNote 7.3.2

Suggests datasets, forcats, knitr, labelled, rmarkdown, testthat (>= 3.0.0), tidyr

VignetteBuilder knitr

URL <https://github.com/craig-parylo/plotor>,
<https://craig-parylo.github.io/plotor/>

BugReports <https://github.com/craig-parylo/plotor/issues>

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

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`plot_or`*Plot OR*

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() |>
  # convert aggregated counts to individual observations
  filter(n > 0) |>
  uncount(weights = n) |>
  # convert character variables to factors
  mutate(across(where(is.character), as.factor))

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

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```
data = df,  
family = 'binomial',  
formula = Survived ~ Class + Sex + Age  
)  
  
# produce the Odds Ratio plot  
plot_or(lr)
```

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