

Package ‘ggtranslate’

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Title A 'ggplot2' Extension for Translating Plot Text

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Description Provides a simple way to translate text elements in 'ggplot2' plots using a dictionary-based approach.

Encoding UTF-8

RoxygenNote 7.3.3

URL <https://github.com/mathiasleroy/ggtranslate>

BugReports <https://github.com/mathiasleroy/ggtranslate/issues>

Imports ggplot2, rlang

Suggests testthat (>= 3.0.0)

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NeedsCompilation no

Repository CRAN

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ggtranslate

Translate all text elements in a ggplot2 object

Description

This function takes a ggplot2 object and a named list to translate all user-facing text elements within the plot. This includes main plot labels (title, subtitle, captions, axis titles, legend titles), discrete axis tick labels, discrete legend keys, facet labels, and text from ‘geom_text’/‘geom_label’.

Usage

```
ggtranslate(plot, dictionary_list, mode = "strict")
```

Arguments

plot	A ggplot object whose text elements are to be translated.
dictionary_list	A named list (or named character vector) where the names are the original text and the values are the translated text.
mode	Translation mode: “strict” (default, exact match only), “longfirst” (partial replacement, longest key first), or “asordered” (partial replacement, as ordered in the dict).

Value

A modified ggplot object with all translatable text elements replaced according to the provided dictionary list.

Examples

```
library(ggplot2)

df <- data.frame(
  day = factor(c("Monday", "Tuesday"), levels = c("Monday", "Tuesday")),
  value = c(10, 12)
)
translation_fr <- list(
  "Monday" = "Lundi",
  "Tuesday" = "Mardi",
  "day" = "jour",
  "value" = "valeur",
  "Weekly Report" = "Rapport Hebdomadaire"
)
p_en <- ggplot(df, aes(x = day, y = value)) +
  geom_col() +
  labs(title = "Weekly Report")
p_fr <- ggtranslate(p_en, translation_fr)
```

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