Package: ggtranslate (via r-universe)

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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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Repository https://mathiasleroy.r-universe.dev

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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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