

Package ‘CountryHealthAnalysis’

July 2, 2025

Title Country Indicator Summary Tools

Version 1.0.0

Description Read and analyze World Bank indicator data for countries. Provides print, summary, and plot methods for a new indicatorData class.

License MIT

Encoding UTF-8

LazyData true

Imports data.table,
ggplot2,
dplyr,
knitr

RoxygenNote 7.3.2

VignetteBuilder knitr

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

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plot.indicatorData	<i>Plot Method for indicatorData Objects</i>
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Description

Plots average annual values for top N or specified indicators.

Usage

```
## S3 method for class 'indicatorData'  
plot(x, indicatorList = NULL, topN = 3, facet = FALSE, ...)
```

Arguments

x	An object of class ‘indicatorData’.
indicatorList	Optional vector of indicator names to plot.
topN	Number of top indicators to plot if no list is provided. Default is 3.
facet	Logical; if TRUE, use facetting instead of overlaying lines. Default is FALSE.
...	Additional graphical parameters (currently ignored).

print.indicatorData	<i>Print Method for indicatorData Objects (With Indicator Filter)</i>
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Description

Prints a summary line and a preview of selected or top indicators.

Usage

```
## S3 method for class 'indicatorData'
print(x, indicatorList = NULL, ...)
```

Arguments

x	An object of class ‘indicatorData’.
indicatorList	Optional character vector of indicator names to preview. If NULL or empty, will display top 3 indicators.
...	Ignored.

readIndicators	<i>Read Indicator CSV File</i>
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Description

Loads a country indicator CSV file, handles formatting quirks, assigns classes, and returns an object of class ‘indicatorData’.

Usage

```
readIndicators(filename, verbose = TRUE)
```

Arguments

filename	Path to the ‘indicators_COUNTRYCODE.csv’ file.
verbose	Logical; if TRUE (default), prints summary and load time.

Value

An S3 object of class ‘indicatorData’.

summary.indicatorData *Summary Method for indicatorData Objects (with Indicator List and topN)*

Description

Provides descriptive statistics (min, max, mean, median, sd, NA count) for selected indicators or top N most frequent indicators.

Usage

```
## S3 method for class 'indicatorData'
summary(object, indicatorList = NULL, topN = 7, ...)
```

Arguments

object	An object of class 'indicatorData'.
indicatorList	Optional character vector of indicator names to summarize. If NULL (default), summarizes the top 'topN' indicators by frequency.
topN	Integer; how many top indicators to show if 'indicatorList' is NULL. Default is 7.
...	Ignored.

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