Package 'HongyuFinancialAnalysis'

October 31, 2025

Title Industry Financial Analysis Platform

Version 1.0.0

Description Based on the Osiris dataset, this tool provides interactive financial analysis across industries. It includes features such as trend analysis, industry benchmarking, and multidimensional visualization, supporting the analysis of key financial indicators including operating revenue, net debt, current assets, and current ratio.

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Encoding UTF-8

LazyData true

Imports shiny,
ggplot2,
dplyr,
tidyr,
scales,
DT

Suggests knitr,
rmarkdown

VignetteBuilder knitr

Depends R (>= 3.5)

RoxygenNote 7.3.3

Contents

`financial_data` *Industry Financial Metrics Dataset*

Description

This dataset contains key financial metrics for multiple industries during the 2017-2021 period, sourced from the Osiris database.

Usage

```
financial_data
```

Format

A data frame with 45 rows and 9 columns:

year Integer, representing the year (2017-2021)

industry Character, industry code abbreviation

operating_income Numeric, average operating income

net_debt Numeric, average net debt

current_assets Numeric, average current assets

current_ratio Numeric, average current ratio

debt_to_assets Numeric, debt-to-assets ratio (calculated field)

profitability_ratio Numeric, profitability-to-assets ratio (calculated field)

industry_label Character, industry name

Source

Osiris Global Public Company Database

Examples

```
# Load the dataset
data(financial_data)

# View data structure
str(financial_data)

# View first few rows of data
head(financial_data)
```

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industry_metadata *Industry Metadata*

Description

Contains a lookup table between industry codes and Chinese names, along with detailed descriptions of each industry.

Usage

```
industry_metadata
```

Format

A data frame with 9 rows and 3 columns:

code Character, industry code abbreviation

name_label Character, industry name

description Character, detailed industry description

Examples

```
# View industry metadata
data(industry_metadata)
print(industry_metadata)
```

`launch_app` *Launch Industry Financial Analysis Platform*

Description

Launch an interactive Shiny application for analyzing financial indicator trends and comparisons across various industries. The application includes features such as trend analysis, industry benchmarking, and multidimensional visualization.

Usage

```
launch_app()
```

Value

invisibly returns NULL. The function is called for its side effect of launching a Shiny application.

References

Data source: Osiris database

See Also

For detailed information on the dataset, please refer to `financial_data`

Examples

```
## Not run:
# Launch Financial Analysis App
launch_app()

## End(Not run)
```