Package 'fmpapi'

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Type Package

Title Flexible Client for the 'Financial Modeling Prep' API

Version 0.2.1

Description Provides a flexible interface to the 'Financial Modeling Prep' API
<https://site.financialmodelingprep.com/developer/docs>. The package
supports all available endpoints and parameters, enabling R users
to interact with a wide range of financial data.

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Encoding UTF-8

RoxygenNote 7.3.2

Depends R (>= 4.1)

Imports httr2 (>= 1.0.0), dplyr (>= 1.0.0), cli (>= 1.0.0)

Suggests spelling, testthat (>= 3.0.0)

URL <https://github.com/tidy-finance/r-fmpapi>,
<https://tidy-finance.github.io/r-fmpapi/>

BugReports <https://github.com/tidy-finance/r-fmpapi/issues>

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Author Christoph Scheuch [aut, cre, cph] (ORCID:
<https://orcid.org/0009-0004-0423-6819>)

Maintainer Christoph Scheuch <christoph@tidy-intelligence.com>

Repository CRAN

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fmp_get *Retrieve Financial Data from the Financial Modeling Prep (FMP) API*

Description

This function fetches financial data from the FMP API, including balance sheet statements, income statements, cash flow statements, historical market data, stock lists, and company profiles.

Usage

```
fmp_get(
  resource,
  symbol = NULL,
  params = list(),
  api_version = "v3",
  snake_case = TRUE
)
```

Arguments

resource　　　　A string indicating the API resource to query. Examples include `"balance-sheet-statement"`, `"income-statement"`, `"cash-flow-statement"`, `"historical-market-capitalization"`, `"profile"`, and `"stock/list"`.

symbol　　　　　A string specifying the stock ticker symbol (optional).

params　　　　　List of additional arguments to customize the query (optional).

api_version　　 A string specifying the version of the FMP API to use. Defaults to `"v3"`.

snake_case　　 A boolean indicating whether column names are converted to snake_case. Defaults to `TRUE`.

Value

A data frame containing the processed financial data.

Examples

```
## Not run:
# Get available balance sheet statements
fmp_get(
  resource = "balance-sheet-statement",
  symbol = "AAPL"
)

# Get last income statements
fmp_get(
  resource = "income-statement",
  symbol = "AAPL",
  params = list(limit = 1)
```

```
)

# Get annual cash flow statements
fmp_get(
  resource = "cash-flow-statement",
  symbol = "AAPL",
  params = list(period = "annual")
)

# Get historical market capitalization
fmp_get(
  resource = "historical-market-capitalization",
  symbol = "UNH",
  params = list(from = "2023-12-01", to = "2023-12-31")
)

# Get stock list
fmp_get(
  resource = "stock/list"
)

# Get company profile
fmp_get(
  resource = "profile", symbol = "AAPL"
)

# Search for stock information
fmp_get(
  resource = "search", params = list(query = "AAP")
)

# Get data with original column names
fmp_get(
  resource = "profile", symbol = "AAPL", snake_case = FALSE
)

## End(Not run)
```

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fmp_set_api_key   *Set the Financial Modeling Prep API key*

Description

This function prompts the user to input their Financial Modeling Prep (FMP) API key and saves it
to a .Renviron file, either in the project directory or the home directory. It also gives the user the
option to add .Renviron to .gitignore for security purposes.

Usage

```
fmp_set_api_key()
```

Value

Invisibly returns `TRUE` after saving the key or aborting the operation. The function will read the `.Renviron` file after saving, allowing the environment variables to be immediately available. A restart of the R session is recommended.

Examples

```
fmp_set_api_key()
```

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