

Package ‘fmpapi’

December 19, 2024

Type Package

Title Flexible Client for the 'Financial Modeling Prep' API

Version 0.2.0

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

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Depends R (>= 4.1)

Imports htr2 (>= 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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`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

<code>resource</code>	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".
<code>symbol</code>	A string specifying the stock ticker symbol (optional).
<code>params</code>	List of additional arguments to customize the query (optional).
<code>api_version</code>	A string specifying the version of the FMP API to use. Defaults to "v3".
<code>snake_case</code>	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)
```

`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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