Package 'imfweo'

August 22, 2025

Title Seamless Access to IMF World Economic Outlook (WEO) Data

Version 0.1.0

Description Provides tools to download, process, and analyze data from the
International Monetary Fund's World Economic Outlook (WEO) database
<https://www.imf.org/en/Publications/SPROLLs/world-economic-outlook-databases>.
Functions support downloading complete WEO releases, accessing specific
economic indicators for selected countries, and listing available data.

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Encoding UTF-8

RoxygenNote 7.3.2

Depends R (>= 4.1.0)

Imports cli, dplyr, httr2, readr, readxl, rlang, tidyr

Suggests curl, testthat, withr, tibble

Config/testthat/edition 3

URL https://teal-insights.github.io/r-imfweo/,
https://github.com/teal-insights/r-imfweo/

BugReports https://github.com/teal-insights/r-imfweo/issues

NeedsCompilation no

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

Maintainer Teal Emery <lte@tealinsights.com>

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Description

Provides tools to download, process, and analyze data from the International Monetary Fund's World Economic Outlook (WEO) database https://www.imf.org/en/Publications/SPROLLs/world-economic-outlook-databases. Functions support downloading complete WEO releases, accessing specific economic indicators for selected countries, and listing available data.

Author(s)

Maintainer: Teal Emery <lte@tealinsights.com>

Authors:

- Christoph Scheuch <christoph@tidy-intelligence.com> (ORCID)

Other contributors:

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See Also

Useful links:

- https://teal-insights.github.io/r-imfweo/

- https://github.com/teal-insights/r-imfweo/

- Report bugs at https://github.com/teal-insights/r-imfweo/issues

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weo_cache_reset   *Reset the Cache*

Description

Reset the Cache

Usage

```
weo_cache_reset()
```

Value

No return value, called for side effects.

---

weo_get   *Get WEO Data*

Description

Retrieve data from the IMF World Economic Outlook (WEO) database for specific series, countries, and years.

Usage

```
weo_get(
  entities = NULL,
  series = NULL,
  start_year = 1980L,
  end_year = NULL,
  year = NULL,
  release = NULL,
  quiet = TRUE
)
```

Arguments

entities	An optional character vector of ISO3 country codes or country group identifiers. See weo_get_entities.
series	A optional character vector of series codes. See weo_get_series.
start_year	Minimum year to include. Defaults to 1980.
end_year	Maximum year to include. Defaults to current year + 5 years.
year	The year of a WEO publication (e.g., 2024). Defaults to latest publication year.
release	The release of a WEO publication ("Spring" or "Fall"). Defaults to latest publication release.
quiet	A logical indicating whether to print download information. Defaults to TRUE.

Value

A data frame with columns:

entity_id ISO3 country code or country group ID

entity_name Entity name

series_code WEO series code

series_name Series name

units Units of measurement

year Year

value Value

Examples

```
# Get GDP growth for selected countries
weo_get(
  entities = c("USA", "GBR", "DEU"),
  series = "NGDP_RPCH",
  start_year = 2015,
  end_year = 2020
)
```

---

weo_get_entities   *Get Available WEO Entities*

Description

Returns a data frame with available entities (countries and country groups) in the WEO database.

Usage

```
weo_get_entities(year = NULL, release = NULL, quiet = TRUE)
```

Arguments

year	The year of a WEO publication (e.g., 2024). Defaults to latest publication year.
release	The release of a WEO publication ("Spring" or "Fall"). Defaults to latest publication release.
quiet	A logical indicating whether to print download information. Defaults to TRUE.

Value

A data frame with columns:

entity_id ISO3 country code or country group ID

entity_name Full name of the country or country group

Examples

```
# List all countries and regions
weo_get_entities()
```

```
weo_get_latest_publication
```
Get Latest WEO Publication from IMF Website

Description

Determines the latest available WEO publication based on the current date.

Usage

```
weo_get_latest_publication(quiet = TRUE)
```

Arguments

quiet   A logical indicating whether to print download information. Defaults to TRUE.

Value

A list with year and release

Examples

```
# List all series
weo_get_latest_publication(quiet = FALSE)
```

```
weo_get_series
```
Get Available WEO Series

Description

Returns a data frame with available series in the WEO database.

Usage

```
weo_get_series(year = NULL, release = NULL, quiet = TRUE)
```

Arguments

`year`	The year of a WEO publication (e.g., 2024). Defaults to latest publication year.
`release`	The release of a WEO publication ("Spring" or "Fall"). Defaults to latest publication release.
`quiet`	A logical indicating whether to print download information. Defaults to TRUE.

Value

A data frame with columns:

series_id The WEO series ID (e.g., "NGDP_RPCH")

series_name Full name of the series (e.g., "Gross domestic product, constant prices")

units Units of measurement

Examples

```
# List all series
weo_get_series()
```

---

weo_list_publications *List Available IMF WEO Publications*

Description

Returns a data frame of available WEO publications from 2007 onwards. The IMF typically releases the WEO database twice per year:

- Spring (April)
- Fall (October)

Usage

```
weo_list_publications(
  start_year = 2007,
  end_year = as.integer(format(Sys.Date(), "%Y")),
  check_latest = FALSE
)
```

Arguments

`start_year`	Minimum year to include. Defaults to 2007.
`end_year`	Maximum year to include. Defaults to current year.
`check_latest`	Logical indicating whether to check whether the latest publication according to current date has been released. Defaults to FALSE.

Value

A data frame with columns:

year The year of the release

release The release name ("Spring" or "Fall")

month The month of release ("April" or "October")

Examples

```
weo_list_publications(check_latest = TRUE)
```

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