Package 'worldbank'

December 9, 2024

Title Client for World Banks's 'Indicators' and 'Poverty and
Inequality Platform (PIP)' APIs

Version 0.4.0

Description Download and search data from the 'World Bank Indicators
API', which provides access to nearly 16,000 time series indicators.
See
<https://datahelpdesk.worldbank.org/knowledgebase/articles/
889392-about-the-indicators-api-documentation>
for further details about the API.

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URL https://m-muecke.github.io/worldbank/,

https://github.com/m-muecke/worldbank

BugReports https://github.com/m-muecke/worldbank/issues

Depends R (>= 4.1.0)

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Contents

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fone_dataset   *Return Finances One API Data*

Description

Return Finances One API Data

Usage

```
fone_dataset(dataset_id, resource_id, ..., limit = NULL)

fone_view(view_id, ..., limit = NULL)
```

Arguments

dataset_id	character(1) id of the associated dataset.
resource_id	character(1) id of the associated resource.
...	additional arguments passed to the request.
limit	integer(1) the maximum number of rows to return. Default is NULL. If NULL, all rows are returned.
view_id	character(1) id of the view.

Value

A data.frame() with the requested dataset.

Source

https://financesone.worldbank.org/data

Examples

```
## Not run:
fone_dataset(dataset_id = "DS00047", resource_id = "RS00005")
fone_view(view_id = "DS01538")

## End(Not run)
```

---

pip_aux   *Return auxiliary data tables*

Description

Return auxiliary data tables

Usage

```
pip_aux(
  table = NULL,
  release_version = NULL,
  ppp_version = NULL,
  version = NULL
)
```

Arguments

table	character(1) table to be returned. Default NULL.
release_version	
	character(1) version of the data release in YYYYMMDD format. Default NULL.
ppp_version	character(1)|numeric(1) version of the data. Default NULL.
version	character(1) version of the data. Default NULL.

Value

A character() with the available tables or a data.frame() containing the table data.

Source

<https://pip.worldbank.org/api>

See Also

Other poverty and inequality statistics: pip_citation(), pip_data(), pip_group(), pip_health_check(), pip_info(), pip_valid_params(), pip_versions()

Examples

```
# get a list of available tables
pip_aux()

# get countries
pip_aux("countries")

# get GDP
pip_aux("gdp")

# get CPI
pip_aux("cpi")
```

---

pip_citation   *Return citation for a given version*

Description

Return citation for a given version

Usage

```
pip_citation(release_version = NULL, ppp_version = NULL, version = NULL)
```

Arguments

release_version

character(1) version of the data release in YYYYMMDD format. Default
NULL.

ppp_version   character(1) | numeric(1) version of the data. Default NULL.

version   character(1) version of the data. Default NULL.

Value

A data.frame() with the citation.

Source

<https://pip.worldbank.org/api>

See Also

Other poverty and inequality statistics: `pip_aux()`, `pip_data()`, `pip_group()`, `pip_health_check()`,
`pip_info()`, `pip_valid_params()`, `pip_versions()`

Examples

```
pip_citation()
```

---

pip_data *Return main poverty and inequality statistics*

Description

Return main poverty and inequality statistics

Usage

```
pip_data(
  country = NULL,
  year = NULL,
  povline = 2.15,
  popshare = NULL,
  fill_gaps = FALSE,
  welfare_type = c("all", "consumption", "income"),
  reporting_level = c("all", "national", "rural", "urban"),
  additional_ind = FALSE,
  release_version = NULL,
  ppp_version = NULL,
  version = NULL
)
```

Arguments

country	character() countries for which statistics are to be computed, specified as ISO3 codes. Default NULL.
year	character()|numeric() year(s) for which statistics are to be computed, specified as YYYY. Default NULL.
povline	numeric(1) poverty line to be used to compute poverty mesures. Poverty lines are only accepted up to 3 decimals. Default 2.15.
popshare	numeric(1) proportion of the population living below the poverty line. Will be ignored if povline is specified. Default NULL.
fill_gaps	logical(1) whether to fill gaps in the data. Default FALSE.
welfare_type	character(1) type of welfare measure to be used. Default "all".
reporting_level	
	character(1) level of reporting for the statistics. Default "all".
additional_ind	logical(1) whether to include additional indicators. Default FALSE.
release_version	
	character(1) version of the data release in YYYYMMDD format. Default NULL.
ppp_version	character(1)|numeric(1) version of the data. Default NULL.
version	character(1) version of the data. Default NULL.

Value

A `data.frame()` with the requested statistics.

Source

<https://pip.worldbank.org/api>

See Also

Other poverty and inequality statistics: `pip_aux()`, `pip_citation()`, `pip_group()`, `pip_health_check()`,
`pip_info()`, `pip_valid_params()`, `pip_versions()`

Examples

```
pip_data(c("ZAF", "ZMB"))
```

---

pip_group   *Return aggregation of PIP statistics*

Description

Return aggregation of PIP statistics

Usage

```
pip_group(
  country = NULL,
  year = NULL,
  povline = 2.15,
  popshare = NULL,
  group_by = c("wb", "none"),
  fill_gaps = FALSE,
  welfare_type = c("all", "consumption", "income"),
  reporting_level = c("all", "national", "rural", "urban"),
  additional_ind = FALSE,
  release_version = NULL,
  ppp_version = NULL,
  version = NULL
)
```

Arguments

country   character() countries for which statistics are to be computed, specified as
              ISO3 codes. Default NULL.

year   character()|numeric() year(s) for which statistics are to be computed, spec-
              ified as YYYY. Default NULL.

povline	numeric(1) poverty line to be used to compute poverty mesures. Poverty lines are only accepted up to 3 decimals. Default 2.15.
popshare	numeric(1) proportion of the population living below the poverty line. Will be ignored if povline is specified. Default NULL.
group_by	character(1) aggregate results by pre-defined sub-groups. Default "wb".
fill_gaps	logical(1) whether to fill gaps in the data. Default FALSE.
welfare_type	character(1) type of welfare measure to be used. Default "all".
reporting_level	character(1) level of reporting for the statistics. Default "all".
additional_ind	logical(1) whether to include additional indicators. Default FALSE.
release_version	character(1) version of the data release in YYYYMMDD format. Default NULL.
ppp_version	character(1) | numeric(1) version of the data. Default NULL.
version	character(1) version of the data. Default NULL.

Value

A data.frame() with the requested statistics.

Source

https://pip.worldbank.org/api

See Also

Other poverty and inequality statistics: pip_aux(), pip_citation(), pip_data(), pip_health_check(), pip_info(), pip_valid_params(), pip_versions()

Examples

```
pip_group(c("AFE", "LAC"))
```

---

pip_health_check	*Determine if the API is running and listening as expected*

Description

Determine if the API is running and listening as expected

Usage

```
pip_health_check()
```

Value

A `character(1)` with the health check message.

Source

<https://pip.worldbank.org/api>

See Also

Other poverty and inequality statistics: `pip_aux()`, `pip_citation()`, `pip_data()`, `pip_group()`, `pip_info()`, `pip_valid_params()`, `pip_versions()`

Examples

```
pip_health_check()
```

---

pip_info   *Return information about the API*

Description

Return information about the API

Usage

```
pip_info()
```

Value

A `data.frame()` with the API information.

Source

<https://pip.worldbank.org/api>

See Also

Other poverty and inequality statistics: `pip_aux()`, `pip_citation()`, `pip_data()`, `pip_group()`, `pip_health_check()`, `pip_valid_params()`, `pip_versions()`

Examples

```
pip_info()
```

---

pip_valid_params *Return valid query parameters*

Description

Return valid query parameters

Usage

```
pip_valid_params(
  endpoint = c("all", "aux", "pip", "pip-grp", "pip-info", "valid-params"),
  release_version = NULL,
  ppp_version = NULL,
  version = NULL
)
```

Arguments

endpoint	character(1) endpoint for which valid parameters are to be returned. Default "all".
release_version	
	character(1) version of the data release in YYYYMMDD format. Default NULL.
ppp_version	character(1) | numeric(1) version of the data. Default NULL.
version	character(1) version of the data. Default NULL.

Value

A data.frame() with the valid parameters.

Source

<https://pip.worldbank.org/api>

See Also

Other poverty and inequality statistics: pip_aux(), pip_citation(), pip_data(), pip_group(), pip_health_check(), pip_info(), pip_versions()

Examples

```
pip_valid_params()
```

---

pip_versions   *Return the available data versions*

Description

Return the available data versions

Usage

```
pip_versions()
```

Value

A data.frame() with the available versions.

Source

<https://pip.worldbank.org/api>

See Also

Other poverty and inequality statistics: `pip_aux()`, `pip_citation()`, `pip_data()`, `pip_group()`, `pip_health_check()`, `pip_info()`, `pip_valid_params()`

Examples

```
pip_versions()
```

---

wb_country   *World Bank country data*

Description

List all countries supported by the World Bank API.

Usage

```
wb_country(country = NULL, lang = "en")
```

Arguments

country	character() country to query. Default NULL. If NULL, all countries are returned.
lang	character(1) language to query. Default "en".

Value

A `data.frame()` with the available countries. The columns are:

country_id   The country ID.

country_code   The country code.

country_name   The country name.

region_id   The region ID.

region_code   The region code.

region_value   The region value.

admin_region_id

     The admin region ID.

admin_region_code

     The admin region code.

admin_region_value

     The admin region value.

income_level_id

     The income level ID.

income_level_code

     The income level code.

income_level_value

     The income level value.

lending_type_id

     The lending type ID.

lending_type_code

     The lending type code.

lending_type_value

     The lending type value.

capital_city   The capital city.

longitude   The longitude.

latitude   The latitude.

Source

https://api.worldbank.org/v2/country

See Also

Other indicators data: wb_income_level(), wb_indicator(), wb_language(), wb_lending_type(), wb_region(), wb_source(), wb_topic()

Examples

```
wb_country()
```

---

wb_country_indicator   *World Bank country indicator data*

Description

List all country indicators supported by the World Bank API.

Usage

```
wb_country_indicator(
  indicator = "NY.GDP.MKTP.CD",
  country = NULL,
  lang = "en",
  start_date = NULL,
  end_date = NULL
)
```

Arguments

indicator	character(1) indicator to query.
country	character() country to query. Default NULL. If NULL, all countries are returned.
lang	character(1) language to query. Default "en".
start_date	character(1) or integer(1) start date to query. Default NULL. Supported formats:

- YYYY for yearly data (e.g. 2020 or "2020")
- YYYYQ[1-4] for quarterly data (e.g. "2020Q1")
- YYYYM[1-12] for monthly data (e.g. "2020M02")

end_date	character(1) or integer(1) end date to query, in the same format as start_date. Default NULL.

Value

A data.frame() with the available country indicators. The columns are:

date	The date
indicator_id	The indicator ID.
indicator_name	The indicator name.
country_id	The country ID.
country_name	The country name.
country_code	The country code.
value	The indicator value.
unit	The indicator unit.
obs_status	The observation status.
decimal	The decimal.

Source

<https://api.worldbank.org/v2/country/{country}/indicator/{indicator}>

Examples

```
wb_country_indicator("NY.GDP.MKTP.CD", "US")
wb_country_indicator(
  "DPANUSSPB", c("CHN", "BRA"),
  start_date = "2012M01", end_date = "2012M08"
)
```

---

wb_income_level	*World Bank income level data*

Description

List all income levels supported by the World Bank API.

Usage

```
wb_income_level(income = NULL, lang = "en")
```

Arguments

income	character() income level to query. Default NULL. If NULL, all levels are returned.
lang	character(1) language to query. Default "en".

Value

A data.frame() with the available income levels. The columns are:

id	The income level ID.
iso2code	The ISO 2 code of the income level.
value	The income level value.

Source

<https://api.worldbank.org/v2/incomeLevels>

See Also

Other indicators data: wb_country(), wb_indicator(), wb_language(), wb_lending_type(), wb_region(), wb_source(), wb_topic()

Examples

```
wb_income_level()
```

wb_indicator *World Bank indicator data*

Description

List all indicators supported by the World Bank API.

Usage

```
wb_indicator(indicator = NULL, lang = "en")
```

Arguments

indicator	character(1) indicator to query. Default NULL. If NULL, all indicators are returned.
lang	character(1) language to query. Default "en".

Value

A data.frame() with the available indicators. The columns are:

id	The indicator ID.
name	The indicator name.
unit	The indicator unit.
source_id	The source ID.
source_value	The source value.
source_note	The source note.
source_organization	
	The source organization.
topic_id	The topic ID.
topic_value	The topic value.

Source

https://api.worldbank.org/v2/indicator

See Also

Other indicators data: wb_country(), wb_income_level(), wb_language(), wb_lending_type(), wb_region(), wb_source(), wb_topic()

Examples

```
wb_indicator("NY.GDP.MKTP.CD")
```

---

wb_language *World Bank available languages*

Description

List all languages supported by the World Bank API.

Usage

```
wb_language()
```

Value

A `data.frame()` with the available languages. The columns are:

code	The language code.
name	The language name.
native_form	The native form of the language name.

Source

<https://api.worldbank.org/v2/languages>

See Also

Other indicators data: `wb_country()`, `wb_income_level()`, `wb_indicator()`, `wb_lending_type()`, `wb_region()`, `wb_source()`, `wb_topic()`

Examples

```
wb_language()
```

---

wb_lending_type *World Bank lending type data*

Description

List all lending types supported by the World Bank API.

Usage

```
wb_lending_type(type = NULL, lang = "en")
```

Arguments

type	character() lending type to query. Default NULL. If NULL, all types are returned.
lang	character(1) language to query. Default "en".

Value

A data.frame() with the available lending types. The columns are:

id	The lending type ID.
iso2code	The ISO 2 code of the lending type.
value	The lending type value.

Source

https://api.worldbank.org/v2/lendingTypes

See Also

Other indicators data: `wb_country()`, `wb_income_level()`, `wb_indicator()`, `wb_language()`, `wb_region()`, `wb_source()`, `wb_topic()`

Examples

```
wb_lending_type()
```

---

wb_region	*World Bank region data*

Description

List all regions supported by the World Bank API.

Usage

```
wb_region(region = NULL, lang = "en")
```

Arguments

region	character() region to query. Default NULL. If NULL, all regions are returned
lang	character(1) language to query. Default "en".

Value

A `data.frame()` with the available regions. The columns are:

`id`	The region ID.
`code`	The region code.
`iso2code`	The ISO 2 code of the region.
`name`	The region name.

Source

<https://api.worldbank.org/v2/region>

See Also

Other indicators data: `wb_country()`, `wb_income_level()`, `wb_indicator()`, `wb_language()`, `wb_lending_type()`, `wb_source()`, `wb_topic()`

Examples

```
wb_region()
```

`wb_source`	*World Bank source data*

Description

List all sources supported by the World Bank API.

Usage

```
wb_source(source = NULL, lang = "en")
```

Arguments

`source`	`character()` source to query. Default `NULL`. If `NULL`, all sources are returned.
`lang`	`character(1)` language to query. Default `"en"`.

Value

A `data.frame()` with the available sources. The columns are:

`id`	The source ID.
`last_updated`	The date the source was last updated.
`name`	The source name.
`code`	The source code.
`description`	The source description.

url	The source URL.
data_availability	
	Whether the source has data available.
metadata_availability	
	Whether the source has metadata available.
concepts	The concepts associated with the source.

Source

https://api.worldbank.org/v2/sources

See Also

Other indicators data: `wb_country()`, `wb_income_level()`, `wb_indicator()`, `wb_language()`, `wb_lending_type()`, `wb_region()`, `wb_topic()`

Examples

```
wb_source()
```

---

wb_topic   *World Bank topic data*

Description

List all topics supported by the World Bank API.

Usage

```
wb_topic(topic = NULL, lang = "en")
```

Arguments

| topic | character() topic to query. Default NULL. If NULL, all topics are returned. |
| lang | character(1) language to query. Default "en". |

Value

A `data.frame()` with the available topics. The columns are:

id	The topic ID.
value	The topic value.
source_note	The source note.

Source

https://api.worldbank.org/v2/topics

See Also

Other indicators data: `wb_country()`, `wb_income_level()`, `wb_indicator()`, `wb_language()`, `wb_lending_type()`, `wb_region()`, `wb_source()`

Examples

```
wb_topic()
```

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