Package ‘WDI’

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Title  World Development Indicators (World Bank)
Description  Search, extract and format data from the World Bank's World Development Indicators.
Author  Vincent Arel-Bundock <vincent.arel-bundock@umontreal.ca>
Maintainer  Vincent Arel-Bundock <vincent.arel-bundock@umontreal.ca>
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Description

Search, extract and format data from the World Bank’s World Development Indicators

Details

The \texttt{wdi} function provides convenient access to the World Bank’s WDI download API. For fast searching, the WDI package ships with a local list of available data series. This local list can be updated to the latest version using the \texttt{wdicache} function.

Author(s)

Vincent Arel-Bundock <varel@umich.edu>

References

http://www.umich.edu/~varel https://github.com/vincentarelbundock/WDI

\textbf{WDI} \hfill \textit{WDI: World Development Indicators (World Bank)}

Description

Downloads the requested data by using the World Bank’s API, parses the resulting XML file, and formats it in long country-year format.

Usage

\begin{verbatim}
WDI(country = "all", indicator = "NY.GNS.ICTR.GN.ZS", start = 2005,
    end = 2011, extra = FALSE, cache = NULL)
\end{verbatim}

Arguments

\begin{description}
\item[country] Vector of countries (ISO-2 character codes, e.g. "BR", "US", "CA") for which the data is needed. Using the string "all" instead of individual iso codes pulls data for every available country.
\item[indicator] Character vector of indicators codes. See the WDIsearch() function.
\item[start] First year of data
\item[end] Last year of data
\item[extra] TRUE returns extra variables such as region, iso3c code, and incomeLevel
\item[cache] NULL (optional) a list created by WDIcache() to be used with the extra=TRUE argument
\end{description}
**Value**

Data frame with country-year observations

**Author(s)**

Vincent Arel-Bundock <varel@umich.edu>

**Examples**

```r
WDI(country="all", indicator=c("AG.AGR.TRAC.NO","TM.TAX.TCOM.BC.ZS"),
    start=1990, end=2000)
WDI(country=c("US","BR"), indicator="NY.GNS.ICTR.GN.ZS", start=1999, end=2000,
    extra=TRUE, cache=NULL)
```

**WDIcache**  
*Update the list of available WDI indicators*

**Description**

Download an updated list of available WDI indicators from the World Bank website. Returns a list for use in the `wdisearch` function.

**Usage**

```r
WDIcache()
```

**Value**

Series of indicators, sources and descriptions in two lists list

**Note**

Downloading all series information from the World Bank website can take time. The `WDI` package ships with a local data object with information on all the series available on 2012-06-18. You can update this database by retrieving a new list using `WDIcache`, and then feeding the resulting object to `wdisearch` via the cache argument.
WDIsearch

**Search names and descriptions of available WDI series**

**Description**

Data frame with series code, name, description, and source for the WDI series which match the given criteria.

**Usage**

```r
WDIsearch(string = "gdp", field = "name", short = TRUE, cache = NULL)
```

**Arguments**

- **string**
  Character string. Search for this string using `grep` with `ignore.case=TRUE`.

- **field**
  Character string. Search this field. Admissible fields: 'indicator', 'name', 'description', 'sourceDatabase', 'sourceOrganization'  

- **short**
  TRUE: Returns only the indicator's code and name. FALSE: Returns the indicator's code, name, description, and source.

- **cache**
  Data list generated by the `wdi_cache` function. If omitted, `WDIsearch` will search a local list of series.

**Value**

Data frame with code, name, source, and description of all series which match the criteria.

**Examples**

```r
WDIsearch(string="gdp", field="name", cache=NULL)
WDIsearch(string="AG.AGR.TRAC.NO", field="indicator", cache=NULL)
```

WDI_data

**World Development Indicators series and country information**

**Description**

A list of two character matrices.

**Usage**

```r
WDI_data
```

**Format**

List of 2 data frames
Details

The first character matrix includes a full list of WDI series (updated 2012-06-18):

- id WDI indicator code
- name Short name of the series
- sourceNote Detailed description provided by the source
- source Source database
- sourceOrganization Source organization

The second character matrix includes extra country information (updated 2012-06-18):

- iso3c ISO 3-letter country code
- iso2c ISO 2-letter country code
- country Country name (long English form)
- region Region
- capital Capital
- longitude Longitude
- latitude Latitude
- income Income level as defined by the World Bank
- lending Lending category, as defined by the World Bank
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