

Package ‘jabr’

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Title Easy Access for West Java Data

Version 0.1.2

Description Interface to browse, list, and fetch data about West Java.

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URL <https://github.com/aswansyahputra/jabr>

BugReports <https://github.com/aswansyahputra/jabr/issues>

Depends R (>= 2.10)

Imports ckanr, dplyr, glue, httr, magrittr, pillar, purrr, rappdirs,
rlang, stringr, tibble, tidyr, tools, utils

Encoding UTF-8

LazyData true

RoxygenNote 7.0.2

NeedsCompilation no

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jabr_area	<i>Get administrative area</i>
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Description

List the administrative area in Jawa Barat.

Usage

```
jabr_area(level, code_bps)
```

Arguments

level	Level of administrative division. Valid values are "district" for Kota/Kabupaten, "subdistrict" for Kecamatan and "village" for Desa/Kelurahan.
code_bps	BPS code of the upper administrative division. Note that BPS code for "district" level is "32". To get "subdistrict" level area, you have to supply the BPS code of the district (Kota/Kabupaten). To get "village" level area, you have to supply the BPS code of the subdistrict (Kecamatan).

Value

A tibble.

Examples

```
library(jabr)

jabr_area(level = "district", code_bps = "32")

# fetch subdistrict area in Kab. Cirebon
jabr_area(level = "subdistrict", code_bps = "3209")
```

jabr_basemap	<i>Get basemap</i>
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Description

List basemap of the administrative area in Jawa Barat.

Usage

```
jabr_basemap(level)
```

Arguments

`level` Level of administrative division. Valid values are "district" for Kota/Kabupaten, "subdistrict" for Kecamatan and "village" for Desa/Kelurahan.

Value

An sf object.

Examples

```
library(jabr)
jabr_basemap(level = "district")
```

jabr_browse	<i>Browse Open Data Jawa Barat</i>
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Description

Open internet browser and point it to Open Data Jawa Barat.

Usage

```
jabr_browse()
```

jabr_fetch	<i>Fetch dataset</i>
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Description

Download and parse the dataset available at Open Data Jawa Barat into R.

Usage

```
jabr_fetch(id, keep_title = TRUE, as = "table")
```

Arguments

`id` The character id of dataset. It accepts single id or multiple ids. Non-matched id(s) will be ignored.

`keep_title` Whether to keep the dataset title in result. If the result is a table, the title is saved in "title" column. If the result is a list, the title is saved as list name.

`as` Applicable for multiple id. If `as = "table"`, the fetched datasets will be saved in "dataset" column with list-column type where you can run `tidyr::unnest()` afterwards. Otherwise the fetched datasets will be saved as list.

Value

A tibble or list of tibble.

Examples

```
library(jabr)

(x <- jabr_list_dataset())

# for example, we want to fetch data about number of application available in west java.
# The id of this data is "3a51a670".
jabr_fetch("3a51a670")
```

jabr_fetch_group	<i>Fetch group of datasets</i>
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Description

Download and parse the dataset available at Open Data Jawa Barat into R. This function will download multiple datasets which have same group_id.

Usage

```
jabr_fetch_group(group_id, keep_title = TRUE, as = "table")
```

Arguments

group_id	The group id of dataset. It only accepts single group id.
keep_title	Whether to keep the dataset title in result. If the result is a table, the title is saved in "title" column. If the result is a list, the title is saved as list name.
as	If as = "table", the fetched datasets will be saved in "dataset" column with list-column type where you can run <code>tidyr::unnest()</code> afterwards. Otherwise the fetched datasets will be saved as list.

Value

A tibble or list of tibble.

Examples

```
library(jabr)

(x <- jabr_list_dataset())

# for example, we want to fetch data about gini ratio in west java since 2011 to 2017.
# The group_id of this data is "78358b54".
jabr_fetch_group("78358b54") %>%
  tidyr::unnest(cols = c(dataset))
```

jabr_list_dataset	<i>List Dataset</i>
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Description

List the dataset available at Open Data Jawa Barat.

Usage

```
jabr_list_dataset(update = FALSE)
```

Arguments

update (logical) Whether to update the dataset list.

Value

A tibble.

Examples

```
library(jabr)

jabr_list_dataset()
```

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