Package: openmarawi (via r-universe)

August 27, 2024

Type Package

Title An Interface to Open Marawi Database

Version 0.0.0.9000

Description The citizens of Marawi have a right to the data and maps
about their home city. When problems are complex, helping
people find useful maps (access) can aid them both in finding
themselves in the map (understanding) and making the map by
themselves (ownership). Open data and useful maps can help
empower citizens in mapmaking, placemaking, and decision-making
because it can help citizens and interested parties in
understanding the issues spatially. It is practical in
deliberating, deciding, and delivering the rehabilitation of
Marawi City.

License GPL (>= 3)

Depends R (>= 2.10)

Imports dplyr, googledrive, readxl, rlang, sf, stringr

Suggests spelling

Encoding UTF-8

Language en-GB

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.1

URL https://panukatan.io/openmarawi/,
https://github.com/panukatan/openmarawi

BugReports https://github.com/panukatan/openmarawi/issues

Repository https://panukatan.r-universe.dev

RemoteUrl https://github.com/panukatan/openmarawi

RemoteRef HEAD

RemoteSha 7548307b84e5ce2730589c19a0b17a585f9ddbf4

Contents

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get_drive_id   *Get Google Drive identifier given a search pattern*

Description

Get Google Drive identifier given a search pattern

Usage

```
get_drive_id(pattern, drive_list)
```

Arguments

pattern	A pattern to search for
drive_list	A dribble (usually produced from one of the marawi_ls() functions) from which to search the pattern from.

Value

A Google Drive identifier

Examples

```
get_drive_id("ARMM", drive_list = marawi_ls())
```

---

marawi_get_armm	*Get ARMM Barangay level data masterlist from the Open Marawi Google Drive Database*

Description

Get ARMM Barangay level data masterlist from the Open Marawi Google Drive Database

Usage

```
marawi_get_armm(
  dataset = c("metadata", "demographics", "bgyfacilities", "conflict")
)

marawi_get_armm_all(tabular = TRUE)
```

Arguments

dataset	A string value from either *"metadata"*, *"demographics"*, *"bgyfacilities"*, or *"conflict"* specifying the masterlist data to retrieve. If not specified, will default to *"metadata"*.
tabular	Logical. Should output be flattened into a single data.frame? Default is TRUE. If FALSE, output is a list of data.frames for each sheet in the masterlist Excel file.

Value

A tibble or a list of tibbles of the specified masterlist dataset available in the ARMM directory of the Open Marawi Database.

Author(s)

Ernest Guevarra

Examples

```
## Retrieve the metadata dataset of the ARMM directory in the Open Marawi
## database
marawi_get_armm(dataset = "metadata")
## Not run: marawi_get_armm_all()
```

---

marawi_get_lanao	*Get Lanao del Sur Barangay level data masterlist from the Open Marawi Google Drive Database*

Description

Get Lanao del Sur Barangay level data masterlist from the Open Marawi Google Drive Database

Usage

```
marawi_get_lanao(
  dataset = c("metadata", "demographics", "bgyfacilities", "estab", "modetranspo",
    "conflict", "privateschools", "health")
)

marawi_get_lanao_all(tabular = TRUE)
```

Arguments

dataset	A string value from either *"metadata"*, *"demographics"*, *"facilities"*, *"establishment"*, *"mode_transport"*, *"conflict"*, *"private_schools"*, or *"health"* specifying the masterlist data to retrieve. If not specified, will default to *"metadata"*.
tabular	Logical. Should output be flattened into a single data.frame? Default is TRUE. If FALSE, output is a list of data.frames for each sheet in the masterlist Excel file.

Value

A tibble or a list of tibbles of the specified masterlist dataset available in the Lanao del Sur directory of the Open Marawi Database.

Author(s)

Ernest Guevarra

Examples

```
## Retrieve the metadata dataset of the Lanao del Sur directory in the Open
## Marawi database
marawi_get_lanao(dataset = "metadata")
## Not run: marawi_get_lanao_all()
```

marawi_get_marawi	*Get Marawi Barangay level data masterlist from the Open Marawi Google Drive Database*

Description

Get Marawi Barangay level data masterlist from the Open Marawi Google Drive Database

Usage

```
marawi_get_marawi(
  dataset = c("metadata", "demographics", "movements", "culture", "housing",
    "facilities", "establishments", "modetranspo", "conflict", "publicschools",
    "privateschools", "health")
)

marawi_get_marawi_all(tabular = TRUE)
```

Arguments

dataset	A string value from either *"metadata"*, *"demographics"*, *"movements"*, *"culture"*, *"housing"*, *"facilities"*, *"establishments"*, *"modetranspo"*, *"conflict"*, *"publicschools"*, *"privateschools"*, and *"health"* specifying the masterlist data to retrieve. If not specified, will default to *"metadata"*.
tabular	Logical. Should output be flattened into a single data.frame? Default is TRUE. If FALSE, output is a list of data.frames for each sheet in the masterlist Excel file.

Value

A tibble or a list of tibbles of the specified masterlist dataset available in the Lanao del Sur directory of the Open Marawi Database.

Author(s)

Ernest Guevarra

Examples

```
## Retrieve the metadata dataset of the Lanao del Sur directory in the Open
## Marawi database
marawi_get_marawi(dataset = "metadata")
## Not run: marawi_get_marawi_all()
```

---

marawi_ls   *List files and folders within the Open Marawi Google Drive database*

Description

A convenience wrapper to googledrive functions set to specifically access the Open Marawi Google Drive database and list files and folders within.

Usage

```
marawi_ls(id = "1bph1LBRpxwydAvjuggyjmhmq6HhyteY8")

marawi_ls_armm(drive_list)

marawi_ls_lanao(drive_list)

marawi_ls_marawi(drive_list)
```

Arguments

id   Character vector of the Open Marawi **Google Drive** id. This is currently set to *1bph1LBRpxwydAvjuggyjmhmq6HhyteY8* which is the id of the Open Marawi **Google Drive**. Change this if Open Marawi **Google Drive** is moved.

drive_list   A dribble from which to search for required Google Drive directory.

Value

A dribble of names and ids of files and folders within the specified Google Drive

Author(s)

Ernest Guevarra

Examples

```
marawi_ls()
marawi_ls_armm(drive_list = marawi_ls())
marawi_ls_lanao(drive_list = marawi_ls())
```

---

marawi_maps_get *Get maps data from Open Marawi Google Drive*

Description

Get maps data from Open Marawi Google Drive

Usage

```
marawi_maps_get(dsn, layer = NULL)
```

Arguments

dsn   Data source name of map to retrieve. This should be one of the data source
            names listed in `marawi_maps_list`

layer   Layer name of map to retrieve. If NULL (default), all layers available within
            dsn will be retrieved.

Value

An sf object of specified map

Examples

```
##marawi_maps_get(dsn = "Hazards/Faultlines")
```

---

marawi_maps_list *List of available map files in the Open Marawi Google Drive*

Description

List of available map files in the Open Marawi Google Drive

Usage

```
marawi_maps_list
```

Format

A data frame with 4 columns and 391 rows:

Variable	Description
dsn	Data source name
layer	Layer name
name	Filename
id	Google Drive identifier

Examples

```
marawi_maps_list
```

---

marawi_maps_ls   *List Marawi maps*

Description

List Marawi maps

Usage

```
marawi_maps_ls(id = "1Fj5sK2tKo0_v8EnEbN8m1pMfaSFADmYL")
```

Arguments

id   Character value of the Open Marawi **Google Drive** id for the Marawi geospatial
                       directory. This is currently set to *1Fj5sK2tKo0_v8EnEbN8m1pMfaSFADmYL*
                       which is the id of the current id of the Open Marawi **Google Drive** for the
                       Marawi geospatial directory. Change this if Open Marawi **Google Drive** is
                       moved.

Value

A dribble of all the geospatial files for Marawi found in the Open Marawi **Google Drive**.

Examples

```
## Not run:
  marawi_maps_ls()

## End(Not run)
```

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