

Package ‘ungadm’

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Title An R Interface to the API for the United Nations General Assembly Decision-Making (UNGA-DM) Database

Version 0.1.0

Description This package provides access to the United Nations General Assembly Decision-Making (UNGA-DM) Database via the UNGA-DM Database API. The UNGA-DM Database includes comprehensive data on member states, sessions, meeting records, draft resolutions, resolutions, decisions, and votes at the UNGA (1946-present). The database was created by Joshua C. Fjelstul, Simon Hug, and Christopher Kilby.

URL <https://github.com/jffjelstul/ungadm>

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authenticate

Authenticate with the UNGA-DM Database API

Description

This function allows you to authenticate with the UNGA-DM Database API. It creates a session. You need to provide your username and password to authenticate. This function returns an object of class `ungadm_session` that contains the credentials necessary to request password-protected data from the UNGA-DM Database API. You need to pass this session object into any function that requires a session argument. If your session times out, you'll need to run this function again to create a new session.

Usage

```
authenticate(username, password)
```

Arguments

username	A string. Your UNGA-DM Database API username.
password	A string. Your UNGA-DM Database API password.

Value

This function returns an object of class `ungadm_session`.

Examples

```
## Not run:
session <- authenticate(
  username = "USERNAME",
  password = "PASSWORD"
)
## End(Not run)
```

check_authentication

Check authentication with the UNGA-DM Database API

Description

This function checks whether you are currently authenticated with the UNGA-DM Database API. You need to provide an object of class `ungadm_session` created by the function `authenticate()`.

Usage

```
check_authentication(session)
```

Arguments

session	An object of class <code>ungadm_session</code> created by <code>authenticate()</code> .
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Value

This function prints a message to the console but does not return an object.

Examples

```
## Not run:
session <- authenticate(
  username = "USERNAME",
  password = "PASSWORD"
)

check_authentication(session)
## End(Not run)
```

describe_datasets	<i>Describe the UNGA-DM datasets</i>
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Description

This function provides descriptions of all of the datasets that are in the UNGA-DM Database.

Usage

```
describe_datasets(session)
```

Arguments

`session` An object of class `undata_app_session` created by `authenticate()`.

Value

This function returns a tibble containing 5 variables. There is one observation per dataset in UNGA-DM Database.

Examples

```
## Not run:
session <- authenticate(
  username = "USERNAME",
  password = "PASSWORD"
)

out <- describe_datasets(
  session = session
)
## End(Not run)
```

describe_variables	<i>Describe variables in a UNGA-DM dataset</i>
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Description

This function provides descriptions of all of the variables in a dataset in the UNGA-DM Database. You have to specify a dataset.

Usage

```
describe_variables(session, dataset)
```

Arguments

session	An object of class <code>ungadm_session</code> created by <code>authenticate()</code> .
dataset	A string. The name of a dataset in the UNGA-DM Database. Run <code>list_datasets()</code> to get a list of valid values.

Value

This function returns a tibble containing 7 variables. There is one observation per variable in the specified dataset.

Examples

```
## Not run:
session <- authenticate(
  username = "USERNAME",
  password = "PASSWORD"
)

out <- describe_variables(
  session = session,
  dataset = "decisions"
)
## End(Not run)
```

download_data	<i>Download data from the UNGA-DM Database</i>
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Description

This function allows you to download data from the UNGA-DM Database via the UNGA-DM Database API. You need to specify a dataset in the UNGA-DM Database. You can also specify filters and select specific variables. You can use `describe_variables()` to learn more about the variables available in each dataset.

Usage

```
download_data(session, dataset, filters = NULL, variables = NULL)
```

Arguments

session	An object of class <code>ungadm_session</code> created by <code>authenticate()</code> .
dataset	A string. The name of a dataset in UNGA-DM Database. Use <code>list_datasets()</code> to get a list of valid values.
filters	A named list. The default is <code>NULL</code> . Each element in the list specifies a filter to apply to the data. The name of each element should be the name of a variable in the specified dataset and the corresponding value should be a value or vector of values that the variable can take. The results will only include observations where the variable equals one of the provided values. If you specify multiple filters, the results will only include observations that match all of the filters. For numeric variables, you can add <code>_min</code> or <code>_max</code> to the end of the variable name to specify a minimum or maximum value.
variables	A string vector. The default is <code>NULL</code> . The results will only include the variables in the vector. Use <code>list_variables()</code> to get a list of valid values. The function will throw an error if you provide an invalid variable name.

Details

The UNGA-DM Database API has a rate limit, so this function downloads data from the API in batches. It downloads 10,000 observations every 5 seconds. It prints a message to the console that indicates how many observations you've requested and approximately how long it will take to download the data. It also prints a message after every batch that indicates the current progress. After your download is complete, it will print the suggested citations for the database, the working paper that introduces the database, and the R package. Please use these citations if you use the data in a paper.

Value

This function returns a tibble that contains the requested data.

Examples

```
## Not run:
session <- authenticate(
  username = "USERNAME",
  password = "PASSWORD"
)

out <- download_data(
  session = session,
  dataset = "decisions",
  filters = list(
    decision_mode = c("recorded vote", "non-recorded vote")
  )
)

out <- download_data(
  session = session,
  dataset = "decisions",
  filters = list(
    decision_mode = "recorded_vote",
    meeting_date_min = "2018-08-01"
  ),
)
```

```

    variables = c("decision_id", "meeting_record_id", "topic")
  )
  ## End(Not run)

```

list_datasets	<i>List the UNGA-DM datasets</i>
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Description

This function lists all of the datasets that are in the UNGA-DM Database. A number of functions in the `ungadm` package have a `dataset` argument. The values returned by `list_datasets()` are valid for this argument.

Usage

```
list_datasets(session)
```

Arguments

`session` An object of class `ungadm_session` created by `authenticate()`.

Value

This function returns a string vector containing the names of the datasets in the UNGA-DM Database.

Examples

```

## Not run:
session <- authenticate(
  username = "USERNAME",
  password = "PASSWORD"
)

out <- list_datasets(
  session = session
)
## End(Not run)

```

list_variables	<i>List variables in a UNGA-DM dataset</i>
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Description

This function lists all of the variables in a dataset in the UNGA-DM Database. You have to specify a dataset.

Usage

```
list_variables(session, dataset)
```

Arguments

session	An object of class <code>ungadm_session</code> created by <code>authenticate()</code> .
dataset	A string. The name of a dataset in the UNGA-DM Database Run <code>list_datasets()</code> to get a list of valid values.

Value

This function returns a string vector containing the names of the variables in the specified dataset.

Examples

```
## Not run:
session <- authenticate(
  username = "USERNAME",
  password = "PASSWORD"
)

out <- list_variables(
  session = session,
  dataset = "decisions"
)
## End(Not run)
```

`ping_api`*Test the API*

Description

This function tests that the UNGA-DM Database API is running.

Usage

```
ping_api()
```

Examples

```
## Not run:
ping_api()
## End(Not run)
```

print_citation	<i>Print the citations for the UNGA-DM Database</i>
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Description

This function generates the recommended citations for the UNGA-DM Database. You have to provide a version number.

Usage

```
print_citation(version)
```

Arguments

version	A string. A version number in the format #.#, such as 0.1.
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Examples

```
## Not run:  
print_citation(version = "0.1")  
## End(Not run)
```


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