Package: peekbankr (via r-universe)

August 30, 2024

Type Package

Title Accessing the Peekbank Database

Version 0.1.1.9012

Description Tools for connecting to peekbank, an open repository for developmental eye-tracking data.

Depends R (>= 4.0.0)

License GPL-3

URL http://github.com/langcog/peekbankr

BugReports http://github.com/langcog/peekbankr/issues

Encoding UTF-8

LazyData true

Imports DBI (>= 1.1.1), dbplyr (>= 2.1.0), dplyr (>= 1.0.4), jsonlite (>= 1.7.2), magrittr (>= 2.0.1), purrr (>= 0.3.4), rlang (>= 0.4.10), tidyr (>= 1.1.2), stringr (>= 1.5.1), RMariaDB (>= 1.3.2)

Suggests knitr, rmarkdown

RoxygenNote 7.3.2

VignetteBuilder knitr

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

RemoteUrl https://github.com/langcog/peekbankr

RemoteRef HEAD

RemoteSha b0e79ad8a01dd7bad4b2eabed8f684e5743afc09

Contents

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connect_to_peekbank   *Connect to Peekbank*

Description

Connect to Peekbank

Usage

```
connect_to_peekbank(db_version = "current", db_args = NULL, compress = TRUE)
```

Arguments

db_version	String of the name of database version to use
db_args	List with host, user, and password defined
compress	Flag to use compression protocol (defaults to TRUE)

Value

con A DBIConnection object for the peekbank database

Examples

```
con <- connect_to_peekbank(db_version = "current", db_args = NULL)
DBI::dbDisconnect(con)
```

get_administrations   *Get administrations*

Description

Get administrations

Usage

```
get_administrations(
  age = NULL,
  dataset_id = NULL,
  dataset_name = NULL,
  connection = NULL
)
```

Arguments

age   A numeric vector of a single age or a min age and max age (inclusive), in months

dataset_id   An integer vector of one or more dataset ids

dataset_name   A character vector of one or more dataset names

connection   A connection to the peekbank database

Value

A 'tbl' of Administrations data, filtered down by supplied arguments. If 'connection' is supplied, the result remains a remote query, otherwise it is retrieved into a local tibble.

Examples

```
## Not run:
get_administrations()
get_administrations(age = c())
get_administrations(dataset_name = "pomper_saffran_2016")

## End(Not run)
```

---

get_aoi_region_sets *Get AOI region sets*

Description

Get AOI region sets

Usage

```
get_aoi_region_sets(connection = NULL)
```

Arguments

connection   A connection to the peekbank database

Value

A 'tbl' of AOI Region Sets data, filtered down by supplied arguments. If 'connection' is supplied, the result remains a remote query, otherwise it is retrieved into a local tibble.

Examples

```
## Not run:
get_aoi_region_sets()

## End(Not run)
```

---

get_aoi_timepoints *Get AOI timepoints*

Description

Get AOI timepoints

Usage

```
get_aoi_timepoints(
  dataset_id = NULL,
  dataset_name = NULL,
  age = NULL,
  rle = TRUE,
  connection = NULL
)
```

Arguments

`dataset_id`	An integer vector of one or more dataset ids
`dataset_name`	A character vector of one or more dataset names
`age`	A numeric vector of a single age or a min age and max age (inclusive), in months
`rle`	Logical indicating whether to use RLE data representation or not
`connection`	A connection to the peekbank database

Value

A 'tbl' of AOI Timepoints data, filtered down by supplied arguments. If 'connection' is supplied, the result remains a remote query, otherwise it is retrieved into a local tibble.

Examples

```
## Not run:
get_aoi_timepoints(dataset_name = "pomper_saffran_2016")

## End(Not run)
```

`get_datasets` *Get datasets*

Description

Get datasets

Usage

```
get_datasets(connection = NULL)
```

Arguments

`connection`	A connection to the peekbank database

Value

A 'tbl' of Datasets data. If 'connection' is supplied, the result remains a remote query, otherwise it is retrieved into a local tibble.

Examples

```
## Not run:
get_datasets()

## End(Not run)
```

---

get_db_info   *Get information on database connection options*

Description

Get information on database connection options

Usage

```
get_db_info()
```

Value

List of database info: host name, current version, supported versions, historical versions, username, password

Examples

```
get_db_info()
```

---

get_sql_query   *Run a SQL Query script on the Peekbank database*

Description

Run a SQL Query script on the Peekbank database

Usage

```
get_sql_query(sql_query_string, connection = NULL)
```

Arguments

sql_query_string
                        A valid sql query string character
connection   A connection to the Peekbank database

Value

The database after calling the supplied SQL query

Examples

```
## Not run:
get_sql_query("SELECT * FROM datasets")

## End(Not run)
```

---

get_stimuli   *Get stimuli*

Description

Get stimuli

Usage

```
get_stimuli(dataset_id = NULL, dataset_name = NULL, connection = NULL)
```

Arguments

dataset_id	An integer vector of one or more dataset ids
dataset_name	A character vector of one or more dataset names
connection	A connection to the peekbank database

Value

A 'tbl' of Stimuli data, filtered down by supplied arguments. If 'connection' is supplied, the result remains a remote query, otherwise it is retrieved into a local tibble.

Examples

```
## Not run:
get_stimuli()
get_stimuli(dataset_name = "pomper_saffran_2016")

## End(Not run)
```

---

get_subjects   *Get subjects*

Description

Get subjects

Usage

```
get_subjects(connection = NULL)
```

Arguments

connection	A connection to the peekbank database

Value

A 'tbl' of Subjects data. Note that Subjects is a table used to link longitudinal Administrations, which is the primary table you probably want. If 'connection' is supplied, the result remains a remote query, otherwise it is retrieved into a local tibble.

Examples

```
## Not run:
get_subjects()

## End(Not run)
```

```
get_trials                     Get trials
```

Description

Get trials

Usage

```
get_trials(dataset_id = NULL, dataset_name = NULL, connection = NULL)
```

Arguments

dataset_id	An integer vector of one or more dataset ids
dataset_name	A character vector of one or more dataset names
connection	A connection to the peekbank database

Value

A 'tbl' of Trials data, filtered down by supplied arguments. If 'connection' is supplied, the result remains a remote query, otherwise it is retrieved into a local tibble.

Examples

```
## Not run:
get_trials()
get_trials(dataset_name = "pomper_saffran_2016")

## End(Not run)
```

---

get_trial_types *Get trial types*

Description

Get trial types

Usage

```
get_trial_types(dataset_id = NULL, dataset_name = NULL, connection = NULL)
```

Arguments

dataset_id	An integer vector of one or more dataset ids
dataset_name	A character vector of one or more dataset names
connection	A connection to the peekbank database

Value

A 'tbl' of Trial Types data, filtered down by supplied arguments. If 'connection' is supplied, the result remains a remote query, otherwise it is retrieved into a local tibble.

Examples

```
## Not run:
get_trial_types()
get_trial_types(dataset_name = "pomper_saffran_2016")

## End(Not run)
```

---

get_xy_timepoints *Get XY timepoints*

Description

Get XY timepoints

Usage

```
get_xy_timepoints(
  dataset_id = NULL,
  dataset_name = NULL,
  age = NULL,
  connection = NULL
)
```

Arguments

dataset_id	An integer vector of one or more dataset ids
dataset_name	A character vector of one or more dataset names
age	A numeric vector of a single age or a min age and max age (inclusive), in months
connection	A connection to the peekbank database

Value

A 'tbl' of XY timepoints data, filtered down by supplied arguments. If 'connection' is supplied, the result remains a remote query, otherwise it is retrieved into a local tibble.

Examples

```
## Not run:
get_xy_timepoints(dataset_name = "pomper_saffran_2016")

## End(Not run)
```

---

list_peekbank_tables   *List of peekbank tables*

Description

List of peekbank tables

Usage

```
list_peekbank_tables(connection)
```

Arguments

connection	A connection to the peekbank database

Value

A vector of the names of tables in peekbank

Examples

```
## Not run:
con <- connect_to_peekbank()
list_peekbank_tables(con)

## End(Not run)
```

---

unpack_aux_data	*Unpack the json sting in the *_aux_data column and turns it into a nested R list*

Description

Unpack the json sting in the *_aux_data column and turns it into a nested R list

Usage

```
unpack_aux_data(df)
```

Arguments

df   a dataframe in the peekbank format that has an aux data column

Value

the input dataframe, with the *_aux_data column unpacked

Examples

```
## Not run:
subjects_table <- unpack_aux_data(df = subjects_table)

## End(Not run)
```

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