

Package ‘restatis’

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Title Web API Client for the German Federal Statistical Office
Database

Version 0.1.0

Description A 'RESTful' API wrapper for accessing the 'GENESIS' database of the German Federal Statistical Office (Destatis) <<https://www-genesis.destatis.de/>>. Also supports data search functions, credential management, result caching, and handling remote background jobs for large datasets.

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URL <https://correlaid.github.io/restatis/>,
<https://github.com/CorrelAid/restatis>

BugReports <https://github.com/CorrelAid/restatis/issues>

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R topics documented:

evas_list_long_20220724	2
gen_alternative_terms	3
gen_auth_save	4
gen_catalogue	4
gen_cube	5
gen_find	7
gen_list_jobs	8
gen_metadata	9
gen_metadata_cube	10
gen_metadata_stats	10
gen_metadata_tab	11
gen_metadata_val	12
gen_metadata_var	13
gen_modified_data	13
gen_objects2stat	15
gen_objects2var	16
gen_search_vars	17
gen_table	18
gen_val2var	19
gen_val2var2stat	20
gen_var2stat	21
Index	23

evas_list_long_20220724

List of EVAS Codes

Description

List of EVAS Codes

Usage

evas_list_long_20220724

Format

evas_list_long_20220724:

A data frame with 1,097 rows and 3 columns:

EVAS EVAS code

Beschreibung Details on the EVAS code

Titel Alternative description of EVAS code contents ...

Source

<https://www.destatis.de/DE/Methoden/Revisionen/Glossar/EVAS.html>

gen_alternative_terms *Search for Related Terms Based on the Same Specific String*

Description

Function to find terms in GENESIS that are similar or related based on a simple comparison of strings. This can help to identify alternative search terms.

Usage

```
gen_alternative_terms(term = NULL, similarity = TRUE, ...)
```

Arguments

term	Character string. Maximum length of 15 characters. Term or word for which you are searching for alternative or related terms. Use of '*' as a placeholder is possible to generate broader search areas.
similarity	Logical. Indicator if the output of the function should be sorted based on a Levenshtein edit distance based on the <code>adist()</code> function.
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all recalled elements from GENESIS. Attributes are added to the data.frame, describing the search configuration for the returned output.

Examples

```
## Not run:  
# Find terms that are similar (in spelling) to search term "bus"  
# and sort them by Levenshtein edit distance  
object <- gen_alternative_terms(term = "bus", similarity = TRUE)  
  
# Find terms that are related (in spelling) to search term "bus"  
object <- gen_alternative_terms(term = "bus*", similarity = TRUE)  
  
## End(Not run)
```

gen_auth_save	<i>Save Authentication of Your GENESIS Account</i>
---------------	--

Description

See Details.

Usage

```
gen_auth_save()
```

Details

GENESIS username and password are encrypted and saved as RDS in the package config directory.

A random string is generated and stored in the session environment variable `RESTATIS_KEY`. This string is used as the key to encrypt and decrypt the entered GENESIS credentials.

To avoid having to save authentication in future sessions, `RESTATIS_KEY` can be added to `.Renviron`. The `usethis` package includes a helper function for editing `.Renviron` files from an R session with `usethis::edit_r_environ()`.

Value

Path to the RDS file in which credentials are saved, invisibly.

gen_catalogue	<i>Explore Different Objects and Their Structural Embedding in GENESIS</i>
---------------	--

Description

Function to enable searching for tables, statistics, and cubes from GENESIS. Additionally, it structures the output based on the internal tree structure of GENESIS itself based on the EVAS-numbers. Time-series are represented as cubes with a specified time span.

Usage

```
gen_catalogue(
  code = NULL,
  category = c("tables", "statistics", "cubes"),
  detailed = FALSE,
  sortcriterion = c("code", "content"),
  error.ignore = FALSE,
  ...
)
```

Arguments

code	a string with a maximum length of 10 characters. Code from a GENESIS-Object. Only one code per iteration. "*" -Notations are possible.
category	a string. Specific GENESIS-Object-types: 'tables', 'statistics', and 'cubes'. All three together are possible.
detailed	a logical. Indicator if the function should return the detailed output of the iteration including all object-related information or only a shortened output including only code and object title.
sortcriterion	a string. Indicator if the output should be sorted by 'code' or 'content'. This is a parameter of the GENESIS API call itself.
error.ignore	a logical. Indicator if the function should stop if an error occurs or no object for the request is found or if it should produce a token as response.
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all recalled elements from GENESIS API. Based on the detailed-parameter it contains more or less information, but always includes the code of the object, the title, and the type of the object. This is done to facilitate further processing with the data. Attributes are added to the dataframe describing the search configuration for the returned output.

Examples

```
## Not run:
# Scroll through Objects under the topic "12*"
# which is "Bevölkerung" in Destatis from all categories and
# with a detailed output
object <- gen_catalogue(code = "12*", detailed = T)

# Search tables under the topic "12*" which is "Bevölkerung"
# without a detailed output
object <- gen_catalogue(code = "12*", category = "tables")

## End(Not run)
```

gen_cube

Get the Data of a Cube From GENESIS

Description

Download a cube with data from GENESIS.

Usage

```
gen_cube(name, ...)
```

Arguments

name	Name of the data cube
...	Optional parameters passed on to the GENESIS API call:
area	a string. The area in which the table is stored. Possible values: <ul style="list-style-type: none"> • "public": cube in the public catalogue • "user": cube in the user's account
values	a logical. Should values be included?
metadata	a logical. Should metadata be included?
additional	a logical. Should additional metadata be included?
contents	a string. Names of required statistical specifications
startyear, endyear	a number. Only retrieve data between these years.
timeslices	a number. Number of timeslices (cumulative to startyear or endyear)
regionalvariable	character. Code of the regional variable whose value is specified in regionalkey to filter the results.
regionalkey	character. One or more regional keys. Multiple values can be supplied as a character vector or as a single string, with the regional keys separated by commas. Use of wildcard (*) allowed.
classifyingvariable1, classifyingvariable2, classifyingvariable3	character. Code of the subject classification (SK-Merkmal) to which the selection by means of the corresponding classifyingkey parameter is to be applied.
classifyingkey1, classifyingkey2, classifyingkey3	character. One or more values of a subject classification (e.g. "WZ93012"). Applied to the corresponding classifyingvariable parameter. Multiple keys can be supplied as a character vector or as a single string, with the keys separated by commas. Use of wildcard (*) allowed.
stand	a string "DD.MM.YYYY". Only retrieve data updated after this #' date.
language	Search terms, returned messages and data descriptions in German ("de") or English ("en")?

Value

A *tibble*. Non-data contents of the data cube object are saved in the metadata *attribute* of the data frame.

Examples

```
## Not run:
gen_cube("47414BJ002")

## End(Not run)
```

Description

Function to search through GENESIS. It is similar in usage as the search function on the Destatis main page (https://www.destatis.de/DE/Home/_inhalt.html). In the search query, "UND" (german word for: and; can also be written "und" or "&") as well as "ODER" (german word for: or; can also be written "oder" or "|") can be included and logically combined. Furthermore, wildcards are possible by including "*". If more then one word is included in the term-string, automatically "and" is used to combine the different words. Important note: Time-series are treated as cubes, they are not longer distinguished. If you want to find a specific object with a clear code with this find function, you need to specify the object type or search for all object types.

Usage

```
gen_find(
  term = NULL,
  category = c("all", "tables", "statistics", "variables", "cubes"),
  detailed = FALSE,
  ordering = TRUE,
  error.ignore = FALSE,
  ...
)
```

Arguments

term	A string with no maximum character length, but a word limit of five words.
category	A string. Specific object types: 'tables', 'statistics', 'variables', and 'cubes'. Using all together is possible. Default option are 'all' objects.
detailed	A logical. Indicator if the function should return the detailed output of the iteration including all object related information or only a shortened output including only code and object title. Default Option is FALSE.
ordering	A logical. Indicator if the function should return the output of the iteration ordered first based on the fact if the searched term is appearing in the title of the object and secondly on an estimator of the number of variables in this object. Default option is TRUE.
error.ignore	A logical. Indicator if the function should stop if an error occurs or no object for the request is found or if it should produce an artificial response (e.g., for complex processes not to fail).
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all elements retrieved from GENESIS. Attributes are added to the data.frame describing the search configuration for the returned output.

Examples

```
## Not run:
# Find objects related to "bus" in GENESIS
object <- gen_find(term = "bus")

# Find tables related to "bus" in GENESIS and return a unordered detailed output
object <- gen_find(term = "bus", detailed = TRUE, ordering = FALSE)

# Find tables related to "Autos" or "Corona" in GENESIS and return a unordered detailed output
object <- gen_find(term = "autos ODER corona", detailed = TRUE, ordering = FALSE)

#' # Find tables related to "Autos" and "Corona" in GENESIS and return a unordered detailed output
object <- gen_find(term = "autos UND corona", detailed = TRUE, ordering = FALSE)

## End(Not run)
```

gen_list_jobs

Search for Current Jobs of Your User Account

Description

Function to list all current jobs connected to the given user.

Usage

```
gen_list_jobs(
  selection = NULL,
  sortcriterion = c("content", "time", "status"),
  ...
)
```

Arguments

selection	Filter the list of jobs for matching codes.
sortcriterion	Allows to sort the resulting list of jobs by their Code ("content"), the time of completion ("time") or status ("status")
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list of all current jobs connected to the given user.

`gen_metadata`*Search for Meta-Information for All Types of Objects*

Description

Function to search for meta-information for all types of objects.

Usage

```
gen_metadata(  
  code = NULL,  
  category = c("Cube", "Statistic", "Table", "Variable", "Value"),  
  error.ignore = FALSE,  
  ...  
)
```

Arguments

<code>code</code>	string with a maximum length of 15 characters. Code from a GENESIS-Object. Only one code per iteration.
<code>category</code>	a string. Specific object-types: 'Cube', 'Statistic', 'Table', 'Variable' and 'Value'. The function needs a specified object type.
<code>error.ignore</code>	a logical. Indicator if the function should stop if an error occurs or no object for the request is found or if it should produce a token as response.
<code>...</code>	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all recalled elements from GENESIS. Attributes are added to the dataframe describing the search configuration for the returned output.

Examples

```
## Not run:  
# Find meta-information of the table with the code "11111"  
object <- gen_metadata(code = "11111", category = "Table")  
  
## End(Not run)
```

gen_metadata_cube *Search for Meta-Information for a Cube*

Description

Function to search for meta-information for a specific cube.

Usage

```
gen_metadata_cube(code = NULL, error.ignore = FALSE, ...)
```

Arguments

code	a string with a maximum length of 15 characters. Code from a GENESIS-Object. Only one code per iteration.
error.ignore	a logical. Indicator if the function should stop if an error occurs or no object for the request is found or if it should produce a token as response.
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all recalled elements from GENESIS. Attributes are added to the dataframe describing the search configuration for the returned output.

Examples

```
## Not run:  
# Find meta-information of the cube with the code "11111KE001"  
object <- gen_metadata_cube(code = "11111KE001")  
  
## End(Not run)
```

gen_metadata_stats *Search for Meta-Information for a Statistic*

Description

Function to search for meta-information for a specific statistic.

Usage

```
gen_metadata_stats(code = NULL, error.ignore = FALSE, ...)
```

Arguments

code	a string with a maximum length of 15 characters. Code from a GENESIS-Object. Only one code per iteration.
error.ignore	a logical. Indicator if the function should stop if an error occurs or no object for the request is found or if it should produce a token as response.
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all recalled elements from GENESIS. Attributes are added to the dataframe describing the search configuration for the returned output.

Examples

```
## Not run:
# Find meta-information of the statistic with the code "12411"
object <- gen_metadata_stats(code = "12411")

## End(Not run)
```

gen_metadata_tab	<i>Search for Meta-Information for a Table</i>
------------------	--

Description

Function to search for meta-information for a specific table.

Usage

```
gen_metadata_tab(code = NULL, error.ignore = FALSE, ...)
```

Arguments

code	a string with a maximum length of 15 characters. Code from a GENESIS-Object. Only one code per iteration.
error.ignore	a logical. Indicator if the function should stop if an error occurs or no object for the request is found or if it should produce a token as response.
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all recalled elements from GENESIS. Attributes are added to the dataframe describing the search configuration for the returned output.

Examples

```
## Not run:  
# Find meta-information of the table with the code "11111"  
object <- gen_metadata_tab(code = "11111")  
  
## End(Not run)
```

gen_metadata_val *Search for Meta-Information for a Value*

Description

Function to search for meta-information for a specific value.

Usage

```
gen_metadata_val(code = NULL, error.ignore = FALSE, ...)
```

Arguments

code	a string with a maximum length of 15 characters. Code from a GENESIS-Object. Only one code per iteration.
error.ignore	a logical. Indicator if the function should stop if an error occurs or no object for the request is found or if it should produce a token as response.
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all recalled elements from GENESIS. Attributes are added to the dataframe describing the search configuration for the returned output.

Examples

```
## Not run:  
# Find meta-information of the value with the code "LEDIG"  
object <- gen_metadata_val(code = "LEDIG")  
  
## End(Not run)
```

gen_metadata_var	<i>Search for Meta-Information for a Variable</i>
------------------	---

Description

Function to search for meta-information for a specific variable.

Usage

```
gen_metadata_var(code = NULL, error.ignore = FALSE, ...)
```

Arguments

code	a string with a maximum length of 15 characters. Code from a GENESIS-Object. Only one code per iteration. "*" -Notation is possible.
error.ignore	a logical. Indicator if the function should stop if an error occurs or no object for the request is found or if it should produce a token as response.
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all recalled elements from GENESIS. Attributes are added to the dataframe describing the search configuration for the returned output.

Examples

```
## Not run:  
# Find meta-information of the variable with the code "FAMSTD"  
object <- gen_metadata_var(code = "FAMSTD")  
  
## End(Not run)
```

gen_modified_data	<i>Search for Newly Added Objects or Documented Changes to Objects in GENESIS</i>
-------------------	---

Description

Function to check for updates, changes, or new objects in GENESIS based on a specific date.

Usage

```
gen_modified_data(
  code = "",
  type = c("all", "tables", "statistics", "statisticsUpdates"),
  date = c("now", "week_before", "month_before", "year_before"),
  ...
)
```

Arguments

code	a string with a maximum length of 15 characters. Code from a GENESIS object. Only one code per iteration. "*" notations are possible. Empty code (default value) includes all changes, updates, and new added objects.
type	a string. Specific GENESIS object type: 'tables', 'statistics', and 'statisticsUpdates'. All three can be accessed through "all", which is the default.
date	a string. Specific date that is used as the last update or upload time in GENESIS to include a GENESIS object in return. Default option is 'now', which uses the current date of your system. Alternative options are 'week_before', using the current date of your system minus 7 days, 'month_before', using the current date of your system minus 4 weeks, and 'year_before', using the current date of your system minus 52 weeks. Additionally, it is possible to fill in a specific date of format 'DD.MM.YYYY'.
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all recalled elements from GENESIS. Always includes the code of the object, the title, and the type of the object. This is done to facilitate further processing with the data. Attributes are added to the data.frame describing the search configuration for the returned output.

Examples

```
## Not run:
# Find objects which were modified last_week
object <- gen_modified_data(date = "week_before")

# Find tables that were new from 31.03.2020
object <- gen_modified_data(type = "tables", date = "31.03.2020")

# Find objects related to the topic "Bevölkerung" (Code: '12*') which were new today
object <- gen_modified_data(code = "12*")

## End(Not run)
```

gen_objects2stat *Search for Objects Related to a Statistic*

Description

Function to find objects related to a statistic in GENESIS.

Usage

```
gen_objects2stat(
  code = NULL,
  category = c("tables", "variables", "cubes"),
  detailed = FALSE,
  sortcriterion = c("code", "content"),
  error.ignore = FALSE,
  ...
)
```

Arguments

code	a string with a maximum length of 6 characters (15 characters if cubes are not used as a category). Code from a GENESIS-Object. Only one code per iteration.
category	a string. Specific object-types: 'tables', 'variables', and 'cubes'. All three together are possible and the default option.
detailed	a logical. Indicator if function should return the detailed output of the iteration including all object-related information or only a shortened output including only code and object title. The default is detailed = FALSE.
sortcriterion	a string. Indicator if the output should be sorted by 'code' or 'content'. This is a parameter of the GENESIS API call itself. The default is "code".
error.ignore	a logical. Indicator if the function should stop if an error occurs or no object for the request is found or if it should produce a token as response.
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all recalled elements from GENESIS. Based on the detailed-parameter it contains more or less information, but always includes the code of the object, the title, and the type of the object. This is done to facilitate further processing of the data. Attributes are added to the dataframe describing the search configuration for the returned output.

Examples

```
## Not run:
# Find cubes from the statistic with the code "21111" with a detailed return
object <- gen_objects2stat(code = "21111", category = "cubes", detailed = T)
```

```
# Find all object types from the statistic with the code "12411"
object <- gen_objects2stat(code = "12411")
# Default of detailed-parameter is FALSE, and default of the
# category-parameter is to include all object types.

## End(Not run)
```

gen_objects2var

Search for Objects Related to a Variable

Description

Function to find objects related to a variable in GENESIS.

Usage

```
gen_objects2var(
  code = NULL,
  category = c("tables", "statistics", "cubes"),
  detailed = FALSE,
  sortcriterion = c("code", "content"),
  error.ignore = FALSE,
  ...
)
```

Arguments

code	a string with a maximum length of 15 characters. Code from a GENESIS-Object. Only one code per iteration.
category	a string. Specific object-types: 'tables', 'statistics', and 'cubes'. All three together are possible and the default option.
detailed	a logical. Indicator if function should return the detailed output of the iteration including all object-related information or only a shortened output including only code and object title. The default is detailed = FALSE.
sortcriterion	a string. Indicator if the output should be sorted by 'code' or 'content'. This is a parameter of the GENESIS API call itself. The default is "code".
error.ignore	a logical. Indicator if the function should stop if an error occurs or no object for the request is found or if it should produce a token as response.
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all recalled elements from GENESIS. Based on the detailed-parameter it contains more or less information, but always includes the code of the object, the title, and the type of the object. This is done to facilitate further processing of the data. Attributes are added to the dataframe describing the search configuration for the returned output.

Examples

```
## Not run:
# Find Tables for Variable "Kreise" and return detailed output
object <- gen_objects2var(code = "Kreise", category = "tables", detailed = T)

# Find everything for Variable "GES"
object <- gen_objects2var(code = "GES")
# Default of detailed-parameter is FALSE, and default of the
# category-parameter is to include all object types.

## End(Not run)
```

gen_search_vars	<i>Search for a Specific Variable</i>
-----------------	---------------------------------------

Description

Function to search for specific variables in GENESIS.

Usage

```
gen_search_vars(
  code = NULL,
  sortcriterion = c("code", "content"),
  error.ignore = FALSE,
  ...
)
```

Arguments

code	a string with a maximum length of 6. Code from a GENESIS-Object. Only one code per iteration. "*" -Notations are possibly to be used as a placeholder.
sortcriterion	a string. Indicator if the output should be sorted by 'code' or 'content'. This is a parameter of the GENESIS API call itself. The default is "code".
error.ignore	a logical. Indicator if the function should stop if an error occurs or no object for the request is found or if it should produce a token as response.
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all recalled elements from GENESIS. Always includes the code of the object, the title, and the type of the object. This is done to facilitate further processing of the data. Attributes are added to the dataframe describing the search configuration for the returned output.

Examples

```
## Not run:
# Find a specific variable "GES" in GENESIS
object <- gen_search_vars("GES")

## End(Not run)
```

gen_table

Get the Data of a Table From GENESIS

Description

Download a table with data from GENESIS.

Usage

```
gen_table(name, ...)
```

Arguments

name	a string. Name of the table. Use of wildcards (*) allowed.
...	Optional parameters passed on to the GENESIS API call:
area	a string. The area in which the table is stored. Possible values: <ul style="list-style-type: none"> • "public": table in the public catalogue • "user": table in the user's account
compress	a logical. Should empty rows and columns be discarded?
transpose	a logical. Reshape the table between "wide" and "long" format.
startyear, endyear	a number. Only retrieve data between these years.
regionalvariable	character. Code of the regional variable whose value is specified in regionalkey to filter the results.
regionalkey	character. One or more regional keys. Multiple values can be supplied as a character vector or as a single string, with the regional keys separated by commas. Use of wildcard (*) allowed.
classifyingvariable1, classifyingvariable2, classifyingvariable3	character. Code of the subject classification (SK-Merkmal) to which the selection by means of the corresponding classifyingkey parameter is to be applied.

classifyingkey1,classifyingkey2,classifyingkey3 character. One or more values of a subject classification (e.g. "WZ93012"). Applied to the corresponding classifyingvariable parameter. Multiple keys can be supplied as a character vector or as a single string, with the keys separated by commas. Use of wildcard (*) allowed.

stand a string "DD.MM.YYYY". Only retrieve data updated after this #' date.

language Search terms, returned messages and data descriptions in German ("de") or English ("en")?

Value

A [tibble](#).

Examples

```
## Not run:
gen_table("21311-0001")

## End(Not run)
```

gen_val2var

Search for the Values of a Variable

Description

Function to extract the possible values from a variable from GENESIS. Values for continuous variables are not extractable, so the function returns a warning message.

Usage

```
gen_val2var(
  code = NULL,
  sortcriterion = c("code", "content"),
  error.ignore = FALSE,
  ...
)
```

Arguments

code	a string with a maximum length of 15 characters. Code from a GENESIS-Object. Only one code per iteration.
sortcriterion	a string. Indicator if the output should be sorted by 'code' or 'content'. This is a parameter of the GENESIS API call itself. The default is "code".
error.ignore	a logical. Indicator if the function should stop if an error occurs or no object for the request is found or if it should produce a token as response.
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all recalled elements from GENESIS. Always includes the code of the object, the title, and the type of the object. This is done to facilitate further processing of the data. Attributes are added to the dataframe describing the search configuration for the returned output.

Examples

```
## Not run:
# Find the values of the variable "DLAND"
object <- gen_val2var(code = "DLAND")

## End(Not run)
```

gen_val2var2stat

Search for the Variables and Their Values From a Statistic

Description

Function to extract the possible values from a variable from a statistic in GENESIS. Values for continuous variables are not extractable, so the function returns a warning message.

Usage

```
gen_val2var2stat(
  code = NULL,
  detailed = FALSE,
  sortcriterion = c("code", "content"),
  error.ignore = FALSE,
  ...
)
```

Arguments

code	a string with a maximum length of 15 characters. Code from a GENESIS-Object. Only one code per iteration. "*" -Notations are possibly to be used as a placeholder.
detailed	a logical. Indicator if function should return the detailed output of the iteration including all object-related information or only a shortened output including only code and object title. This parameter only affects the details of the variables-related output. The default is FALSE.
sortcriterion	a string. Indicator if the output should be sorted by 'code' or 'content'. This is an parameter of the GENESIS API call itself. The default is "code".
error.ignore	a logical. Indicator if the function should stop if an error occurs or no object for the request is found or if it should produce a token as response.
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself for the variables, no further processing for the values-related objects.

Value

A list with all recalled elements from GENESIS. Based on the detailed-parameter it contains more or less information, but always includes the code of the object, the title, and the type of the object. This is done to facilitate further processing of the data. Attributes are added to the dataframe describing the search configuration for the returned output.

Examples

```
## Not run:
# Find the values of variables in a specific statistic with
# the code "21111" and a detailed description of the variables
object <- gen_val2var2stat(code = "21111", detailed = TRUE)

## End(Not run)
```

gen_var2stat

Search for the Variables From a Statistic

Description

Function to generate variables from statistics in GENESIS.

Usage

```
gen_var2stat(
  code = NULL,
  detailed = FALSE,
  sortcriterion = c("code", "content"),
  error.ignore = FALSE,
  ...
)
```

Arguments

code	a string with a maximum length of 15 characters. Code from a GENESIS-Object. Only one code per iteration. "*" -Notations are possibly to be used as a placeholder.
detailed	a logical. Indicator if function should return the detailed output of the iteration including all object-related information or only a shortened output including only code and object title. The default is detailed = FALSE.
sortcriterion	a string. Indicator if the output should be sorted by 'code' or 'content'. This is a parameter of the GENESIS API call itself. The default is "code".
error.ignore	a logical. Indicator if the function should stop if an error occurs or no object for the request is found or if it should produce a token as response.
...	Additional parameter of the GENESIS API call. These parameters are only affecting the GENESIS API call itself, no further processing.

Value

A list with all recalled elements from GENESIS. Based on the detailed-parameter it contains more or less information, but always includes the code of the object, the title, and the type of the object. This is done to facilitate further processing of the data. Attributes are added to the dataframe describing the search configuration for the returned output.

Examples

```
## Not run:  
# Find the variables of the statistic with the code "12411"  
# with a detailed output  
object <- gen_var2stat(code = "12411", detailed = T)  
  
## End(Not run)
```

Index

* datasets

`evas_list_long_20220724`, 2

`attribute`, 6

`evas_list_long_20220724`, 2

`gen_alternative_terms`, 3

`gen_auth_save`, 4

`gen_catalogue`, 4

`gen_cube`, 5

`gen_find`, 7

`gen_list_jobs`, 8

`gen_metadata`, 9

`gen_metadata_cube`, 10

`gen_metadata_stats`, 10

`gen_metadata_tab`, 11

`gen_metadata_val`, 12

`gen_metadata_var`, 13

`gen_modified_data`, 13

`gen_objects2stat`, 15

`gen_objects2var`, 16

`gen_search_vars`, 17

`gen_table`, 18

`gen_val2var`, 19

`gen_val2var2stat`, 20

`gen_var2stat`, 21

`tibble`, 6, 19

`usethis::edit_r_environ()`, 4