Package ‘ffmetadata’

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Type Package
Title Access to Fragile Families Metadata
Version 1.0.0
Description A collection of functions that allows users to retrieve metadata for the Fragile Families challenge via a Web API (<http://api.metadata.fragilefamilies.princeton.edu>). Users can select and search metadata for relevant variables by filtering on different attribute names.
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search_metadata

Description

This package provides functions to access to metadata for data from the Fragile Families Project.

Search functions

To search or filter variables by string:

- `search_metadata`

Information functions

To get more detail on a variable:

- `select_metadata`

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**Search Metadata**

**Description**

`search_metadata` allows users to retrieve a list of variable names based on whether or not those variables contain a given query or set of queries within a given field or set of fields.

**Usage**

`search_metadata(filter_list = list(), ..., operation = "eq")`

**Arguments**

- `filter_list`: an optional named list that can be passed to `search_metadata` in addition to explicitly named parameters
- `...`: any valid field name
- `operation`: optional parameter that allows one to specify the given the method of comparison for search, "equals" is the default
search_metadata

Details

List of valid field names:

- data_source
- data_type
- fp_PCG
- fp_father
- fp_fchild
- fp_mother
- fp_other
- fp_partner
- group_id
- group_subid
- id
- label
- leaf
- measures
- name
- old_name
- probe
- qText
- respondent
- scope
- section
- warning
- wave

Value

returns list of names of all variables that match specified parameter values

Examples

search_test1 <- search_metadata(wave = "Year 1")
search_test2 <- search_metadata(wave = "Year 1", respondent = "Mother")
search_test3 <- search_metadata(wave = "Year 1", name = "f%", operation = c("eq", "like"))
search_test4 <- search_metadata(name = "f1%", operation = "like")

# Note that when using operators checking for null values (or lack thereof), the operation # parameter should not be included in the call. It should be formatted instead like so: search_test5 <- search_metadata(qtext = "is_null")
select_metadata  

Description

select_metadata allows users to retrieve the value of a specific field or fields of a given variable, or the entire variable metadata if no field is specified.

Usage

```r
select_metadata(variable_name = NULL, fields = NULL, returnDataFrame = TRUE)
```

Arguments

- `variable_name` name of variable
- `fields` specific field or list of fields of variable to be accessed. See details for valid field names
- `returnDataFrame` optional parameter set to TRUE by default, output is named list if set to FALSE

Details

List of valid field names:

- `data_source`
- `data_type`
- `fp_PCG`
- `fp_father`
- `fp_fchild`
- `fp_mother`
- `fp_other`
- `fp_partner`
- `group_id`
- `group_subid`
- `id`
- `label`
- `leaf`
- `measures`
- `name`
- `old_name`
- `probe`
select_metadata

- qText
- respondent
- scope
- section
- warning
- wave

**Value**

returns string with value of a given field if field is specified, returns all metadata for variable as data frame if field is unspecified

**Examples**

```r
select1 <- select_metadata(variable_name = "ce3agefc")

select2 <- select_metadata(variable_name = "ce3agefc", fields = "data_type")

select3 <- select_metadata(variable_name = "ce3agefc", fields = c("data_type", "data_source"))
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