

Package ‘NSO1212’

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Title National Statistical Office of Mongolia's Open Data API Handler

Version 1.0.0

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Description National Statistical Office of Mongolia (NSO) is the national statistical service and an organization of Mongolian government. NSO provides open access and official data via its web site <<http://www.1212.mn/>> and API <<http://opendata.1212.mn/en/doc>>. The package NSO1212 has functions for accessing the API service. The functions are compatible with the API v2.0 and get data sets and its detailed informations from the API.

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URL <https://github.com/galaamn/NSO1212>

BugReports <https://github.com/galaamn/NSO1212/issues>

Depends R (>= 3.5.0)

Imports httr, jsonlite

License GPL-3

Encoding UTF-8

LazyData true

ByteCompile true

NeedsCompilation no

RoxygenNote 6.1.1

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`all_tables`*Brief Information about All Tables on the API `opendata.1212.mn`*

Description

Brief information about all available tables on the API `opendata.1212.mn` is supported by National Statistical Office of Mongolia (NSO)

Usage

```
all_tables()
```

Value

data.frame, a list of all available tables. It has following structure:

rownum Row number
list_id Sector number
tbl_id Table identification number
tbl_nm Table name in Mongolian
tbl_eng_nm Table name in English
unit_id Unit code
cd_nm Unit name in Mongolian
cd_eng_nm Unit name in English
strt_prd Start date
end_prd Finish date
prd_se Time frequency
lst_chn_de Last update date

References

<http://opendata.1212.mn/en/doc/Api/GET-api-Items>

See Also

[get_table](#), [get_table_info](#), [get_sector_info](#)

Examples

```
all.tables <- all_tables()
print(all.tables$tbl_nm)
print(all.tables$tbl_id)
```

get_sector_info	<i>Detailed Information about All Sectors on the API opendata.1212.mn</i>
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Description

Detailed information about all 34 sectors, which are major classification of data, on the API opendata.1212.mn is supported by National Statistical Office of Mongolia (NSO)

Usage

```
get_sector_info()
```

Value

data frame, Sector information. It has following structure:

rownum Row number

list_id Sector identification number

up_list_id Sub sector identification number

list_nm Sector name in Mongolian

list_eng_nm Sector name in English

isExist Whether or exist sub-sectors

References

<http://opendata.1212.mn/en/doc/Api/GET-api-Sector>

See Also

[all_tables](#), [get_table](#), [get_table_info](#), [get_subsector_info](#)

Examples

```
sector_info <- get_sector_info()
print(sector_info)
```

get_subsector_info	<i>Detailed Information about a Sub-Sector on the API opendata.1212.mn</i>
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Description

Detailed information about a sub-sector, which is minor classification of data, on the API opendata.1212.mn is supported by National Statistical Office of Mongolia (NSO)

Usage

```
get_subsector_info(subid)
```

Arguments

subid character string, Sub-sector identification number

Value

data frame, Sub-sector information. It has following structure:

rownum Row number

list_id Sector identification number

up_list_id Sub sector identification number

list_nm Sector name in Mongolian

list_eng_nm Sector name in English

isExist Whether or exist sub-sectors

References

http://opendata.1212.mn/en/doc/Api/GET-api-Sector_subid

See Also

[all_tables](#), [get_table](#), [get_table_info](#), [get_sector_info](#)

Examples

```
subsector_info <- get_subsector_info("976_L05")
print(subsector_info)
```

`get_table`*Download Statistical Data from the API `opendata.1212.mn`*

Description

It downloads a table, which contains statistical data, from the API `opendata.1212.mn` is supported by National Statistical Office of Mongolia (NSO).

Usage

```
get_table(tbl_id, PERIOD = NULL, CODE = NULL, CODE1 = NULL,
          CODE2 = NULL)
```

Arguments

<code>tbl_id</code>	character string, Table identification number
<code>PERIOD</code>	character vector, Time
<code>CODE</code>	character vector, Classification code (age, gender etc)
<code>CODE1</code>	character vector, Classification code (age, gender etc)
<code>CODE2</code>	character vector, Classification code (age, gender etc)

Value

data frame, Statistical data. It has following structure:

TBL_ID Row number

Period Time

CODE Classification code

SCR_MN Classification name in Mongolian

SCR_ENG Classification name in English

CODE1 Classification code

SCR_MN1 Classification name in Mongolian

SCR_ENG1 Classification name in English

CODE2 Classification code

SCR_MN2 Classification name in Mongolian

SCR_ENG2 Classification name in English

DTVAL_CO Data value

References

<http://opendata.1212.mn/en/doc/Api/POST-api-Data>

See Also

[all_tables](#), [get_table_info](#), [get_sector_info](#)

Examples

```
nso.data <- get_table(
  tbl_id = "DT_NSO_2400_015V2",
  PERIOD = c("201711", "201712", "201801"),
  CODE = c("10", "11"),
  CODE1 = "11"
)
print(nso.data)
```

get_table_info	<i>Detailed Information about a Table and Its Classification on the API opendata.1212.mn</i>
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Description

Detailed information about a table and its classification on the API [opendata.1212.mn](#) is supported by National Statistical Office of Mongolia (NSO)

Usage

```
get_table_info(tbl_id)
```

Arguments

tbl_id character string, Table identification number

Value

list, Table information and classification. It has following structure:

tbl_id Table identification number

unit_id Unit identification number

unit_nm Unit name in Mongolia

unit_eng_nm Unit name in English

obj Table classification:

obj_var_id Variable identification

var_ord_sn Variable identification number

field Field name

scr_mn Variable name in Mongolian

scr_eng Variable identification

itm Variable classification and code:

itm_id Classification number
up_itm_id Sub-classification
scr_mn Classification name in Mongolian
scr_eng Classification name in English

References

<http://opendata.1212.mn/en/doc/Api/GET-api-Itms-id>

See Also

[all_tables](#), [get_table](#), [get_sector_info](#)

Examples

```
table_info <- get_table_info("DT_NSO_2400_015V2")
table_info$unit_nm
table_info$obj[[1]]$itm[[1]]$scr_mn
```

NSO1212

National Statistical Office of Mongolia's Open Data API Handler

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References

<http://opendata.1212.mn/en/doc>

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