

Package: noga (via r-universe)

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Type Package

Title noga: Recode according to the General Classification of Economic Activities 2008

Version 0.1.4

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Description This package recodes numeric NOGA values to its value labels and vice versa. The package allows to recode values from all five NOGA levels (Section, Division, Group, Class and Type). The package can recode values to value labels in four languages (English, German, French and Italian).

License GPL (>= 3)

Encoding UTF-8

LazyData true

RoxygenNote 7.3.2

Depends R (>= 2.10)

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Repository <https://swissstatsr.r-universe.dev>

RemoteUrl <https://github.com/SwissStatsR/noga>

RemoteRef HEAD

RemoteSha 2162138e41510ad55559b788bed47bae73c68ff8

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| | |
|--------|--------------------------|
| lookup | <i>NOGA lookup table</i> |
|--------|--------------------------|

Description

This data.frame contains all the NOGA codes and labels at various levels. The labels are available in english, german, french and italian.

Usage

```
lookup
```

Format

'lookup' A data frame with 1,790 rows and 10 columns:

code NOGA code
section section code
division division code (2-digit)
group group code (3-digit)
class class code (4-digit)
type type code (full 6-digit)
name_en English label
name_de German label
name_fr French label
name_it Italian label

Source

<https://www.il4y.admin.ch/it/catalog/datasets/HCL_NOGA/api>

| | |
|-------------|------------------------|
| noga_levels | <i>NOGA code table</i> |
|-------------|------------------------|

Description

This tibble contains all the NOGA codes and labels at various levels. The labels are available in english, german, french and italian.

Usage

```
noga_levels
```

Format

```
## 'noga_levels' A tibble with 1,790 rows and 15 columns:
```

```
section section code  
division division code (2-digit)  
group group code (3-digit)  
class class code (4-digit)  
type type code (full 6-digit)  
code NOGA code  
name_en English label  
name_de German label  
name_fr French label  
name_it Italian label  
division.n division code, numeric version  
group.n group code, numeric version  
class.n class code, numeric version  
type.n type code, numeric version  
code.n code, numeric version
```

Source

```
<https://www.i14y.admin.ch/it/catalog/datasets/HCL\_NOGA/api>
```

| | |
|-----------------|------------------------|
| noga_levels_agg | <i>NOGA code table</i> |
|-----------------|------------------------|

Description

This tibble contains all the NOGA codes and labels at various levels. The labels are available in english, german, french and italian.

Usage

```
noga_levels_agg
```

Format

'noga_levels_agg' A tibble with 1,790 rows and 19 columns:

section section code
division division code (2-digit)
group group code (3-digit)
class class code (4-digit)
type type code (full 6-digit)
code NOGA code
name_de German label
Section section code, only for sections
Division division code, only for divisions
Group group code, only for groups
Class class code, only for classes
Type type code, only for types
name_en English label
name_fr French label
name_it Italian label
division.n division code, numeric version
group.n group code, numeric version
class.n class code, numeric version
type.n type code, numeric version

Source

<https://www.i14y.admin.ch/it/catalog/datasets/HCL_NOGA/api>

| | |
|-------------|---|
| noga_recode | <i>Function to recode a variable containing noga codes to labels and vice versa</i> |
|-------------|---|

Description

Function to recode a variable containing noga codes to labels and vice versa

Usage

```
noga_recode(var, language = "en", level = "auto", to = "auto", warn = TRUE)
```

Arguments

| | |
|----------|---|
| var | The variable containing the noga-codes or noga-values that you want to recode. Must be numeric or string, factor variables are not supported. Note that the function can handle only variables that contain one NOGA-level only. |
| language | One of "de" (German), "en" (English), "fr" (French) or "it" (Italian). Defaults to English. |
| level | The NOGA-Level you want to recode. Must be one of "auto" (Default), "section" (1. level), "division" (2. level), "group" (3.), "class" (4.) or "type" (5.). If set to "auto", the NOGA level will be identified based on the number of digits/characters of the maximum non-missing value of that variable. If all the labels belong to more than one level, the deepest one is always used. The variable you recode can only contain one NOGA-level. |
| to | Recode values to labels or vice versa? Defaults to "auto" (will identify based on the input variable the recoding direction), or "values" will recode labels to values or "labels" will recode values (codes in string format) to labels. |
| warn | TRUE (default) or FALSE. When TRUE will give warnings about non-matching recodings. |

Value

a recoded variable in string format (either noga-labels, or noga-codes).

Examples

```
example.data <- data.frame(
  test1 = c(702,620),
  test2 = c("Management consultancy activities","Extraction of natural gas"),
  test3=c("0702","0620"))
noga::noga_recode(var=example.data$test1,language="fr",level="group",to="auto")
noga::noga_recode(var=example.data$test2,language="en",level="auto",to="values")
noga::noga_recode(var=example.data$test3,language="de",level="auto",to="auto")
```

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