Package 'ifctools'

August 28, 2023

Title Italian Fiscal Code ('Codice Fiscale') Utilities

Version 0.3.6

Description Provides utility functions to deal with Italian fiscal code ('codice fiscale').

URL https://github.com/lbraglia/ifctools

BugReports https://github.com/lbraglia/ifctools/issues

Depends R (>= 3.1.1)

License GPL-3

Suggests testthat

RoxygenNote 7.2.3

Encoding UTF-8

NeedsCompilation yes

Author Luca Braglia [aut, cre]

Maintainer Luca Braglia <lbraglia@gmail.com>

Repository CRAN

Date/Publication 2023-08-28 10:50:05 UTC

R topics documented:

---

guess_fc *Guess Italian Fiscal Code*

Description

The function tries to guess regular fiscal code, extracting relevant alphanumeric digits from surname, name, birth date, gender and 'codice catastale' (computing the last character, the control digit).

Usage

```
guess_fc(
  surname = NULL,
  name = NULL,
  birth_date = NULL,
  female = NULL,
  codice_catastale = NULL
)
```

Arguments

surname	character, surname
name	character, names
birth_date	Date, date of birth
female	logical, female indicator variable (FALSE = man, TRUE = woman)
codice_catastale	
	Italian 'codice catastale' (an identifier) of the 'comune' of birth

Value

The function return a character vector of fiscal code.

Examples

```
## using fictious data
Surnames <- c("Rossi", "Bianchi")
Names <- c("Mario", "Giovanna")
Birthdates <- as.Date(c("1960-01-01", "1970-01-01"))
Female <- c(FALSE, TRUE)
Comune_of_birth <- c("F205", # milan
                     "H501") # rome
guess_fc(Surnames, Names, Birthdates, Female, Comune_of_birth)
```

wrong_fc	*Check Italian fiscal codes*

Description

The function performs fiscal codes check (both regular and temporary ones), computing the last (control) character basing on the others. The algorithm is intended to be quite "draconian", so you'll better make some pre-cleaning (keep only alphabetic characters and uppercase) if needed. See examples.

Usage

```
wrong_fc(fc)
```

Arguments

fc   A character vector of fiscal codes.

Value

The function return TRUE if the fiscal code is wrong, FALSE otherwise.

References

Law source: D.M. (Ministry of Finance) n. 13813 - 23/12/76 - "Sistemi di codificazione dei soggetti da iscrivere all'anagrafe tributaria". Supp. ord. G.U. 345 29/12/1976.

Examples

```
fc <- c(NA, "qWeASd34D12h 221M   ", " 12312312312 ")
wrong_fc(fc)
fc <- gsub(" ","", toupper(fc))
wrong_fc(fc)
```

Index