Package 'nomine'

November 9, 2025

Type Package

Title Classify Names by Gender, U.S. Ethnicity, and Leaf Nationality

Version 1.0.2

Description Functions to use the 'NamePrism' API <https://name-prism.com/api> or 'Nam-Sor' API v2 <https://v2.namsor.com> for classifying names based on gender, 6 U.S. ethnicities, or 39 leaf nationalities. Updated to work with current API endpoints.

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Encoding UTF-8

Imports httr, RCurl, jsonlite, utils

RoxygenNote 7.2.3

Suggests knitr, rmarkdown

URL <http://github.com/lobsterbush/nomine>

BugReports <http://github.com/lobsterbush/nomine/issues>

NeedsCompilation no

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R topics documented:

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get_ethnicities   *Classifies names based on 6 U.S. ethnicities*

Description

Returns an object that classifies any inputted name(s) according to 6 different U.S. ethnicities.

Usage

```
get_ethnicities(x, t = NULL, warnings = FALSE)
```

Arguments

x	A vector of names, in the form "First_name Last_name". If there are multiple segments separated by white spaces, only the first and the last segments are taken into account.
t	A string with the API access token. The default value is NULL, although you must set your own token. A Name-Prism API token can be obtained for research purposes to overcome the limit of anonymous API use. Please visit http://www.name-prism.com/api for more details.
warnings	Logical. If TRUE, then a warning message will be displayed when a name cannot be analyzed. The default value is FALSE.

Value

A data frame of dimensions length(x)*9, with the probability of belonging to each of the 6 different U.S. ethnicities. Errors (e.g. connection is interrupted, invalid tokens) are handled as NA.

Author(s)

Charles Crabtree <ccrabtr@umich.edu> and Christian Chacua <christian-mauricio.chacua-delgado@u-bordeaux

Examples

```
# Vector of names.
x <- c("Charles Crabtree", "Volha Chykina", "Christian Chacua",
       "Christian Mauricio Chacua")
# Using the API token a1a2a34aa56789aa (you should get your own token)
y <- get_ethnicities(x, t="a1a2a34aa56789aa", warnings=FALSE)
y
# "Christian Chacua" and "Christian Mauricio Chacua" have the same
# probabilities as "Mauricio" is not taken into account.
```

get_gender	*Classifies names based on gender*

Description

Returns an object that classifies inputted names according to gender.

Usage

```
get_gender(given, family, api_key)
```

Arguments

given	A vector of given names (i.e. first names).
family	A vector of family names (i.e. surnames or last names).
api_key	A NameSor API Key. This is typically a long string of mixed-case letters and numbers. Get yours at https://v2.namsor.com/NamSorAPIv2/sign-in.html

Value

An object that classifies inputted names according to gender.

Author(s)

Charles Crabtree <ccrabtr@umich.edu>

Examples

```
## Not run:
first_name <- c("Volha", "Charles", "Donald")
last_name <- c("Chykina", "Crabtree", "Duck")

Note that the vectors of first and last names should be the same length.
Future versions of the package will deal with differing lengths.

key <- "45b2kjsskd2335435kkmfdksmfkko"
y <- get_gender(first_name, last_name, key)
y

## End(Not run)
```

get_nationalities	*Classifies names based on 39 leaf nationalities*

Description

Returns an object that classifies inputted names according to 39 different leaf nationalities.

Usage

```
get_nationalities(x, t = NULL, warnings = FALSE)
```

Arguments

x	A vector of names, in the form "First_name Last_name". If there are multiple segments separated by white spaces, only the first and the last segments are taken into account.
t	A string with the API access token. The default value is NULL, although you must set your own token. A Name-Prism API token can be obtained for research purposes to overcome the limit of anonymous API use. Please visit http://www.name-prism.com/api for more details.
warnings	Logical. If TRUE, then a warning message will be displayed when a name cannot be analyzed. The default value is FALSE.

Value

A data frame of dimensions length(x)*42, with the probability of belonging to each of the 39 different leaf CEL groups of the Name-Prism taxonomy (see http://www.name-prism.com/about). Errors (e.g. connection is interrupted, invalid tokens) are handled as NA.

Author(s)

Charles Crabtree <ccrabtr@umich.edu> and Christian Chacua <christian-mauricio.chacua-delgado@u-bordeaux

Examples

```
# Vector of names.
x <- c("Charles Crabtree", "Volha Chykina", "Christian Chacua",
       "Christian Mauricio Chacua")
# Using the API token a1a2a34aa56789aa (you should get your own token)
y <- get_nationalities(x, t="a1a2a34aa56789aa", warnings=FALSE)
y
# "Christian Chacua" and "Christian Mauricio Chacua" have the same
# probabilities as "Mauricio" is not taken into account.
```

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