

# Package: **nomine** (via r-universe)

July 4, 2026

**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://www.name-prism.com/api>> or 'NamSor' API v2  
<<https://namsor.app/>> for classifying names based on gender, 6  
U.S. ethnicities, or 39 leaf nationalities. Updated to work  
with current API endpoints.

**License** MIT + file LICENSE

**Encoding** UTF-8

**Imports** httr, RCurl, jsonlite, utils

**RoxygenNote** 7.3.3

**Suggests** knitr, rmarkdown

**URL** <https://github.com/lobsterbush/nomine>

**BugReports** <https://github.com/lobsterbush/nomine/issues>

**NeedsCompilation** no

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**Repository** <https://cran.r-universe.dev>

**Date/Publication** 2026-04-01 09:40:25 UTC

**RemoteUrl** <https://github.com/cran/nomine>

**RemoteRef** HEAD

**RemoteSha** 5b6cd7e67c42c4782944f58a76efc0bc0648856a

## Contents

|                             |   |
|-----------------------------|---|
| get_ethnicities . . . . .   | 2 |
| get_gender . . . . .        | 3 |
| get_nationalities . . . . . | 4 |

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|                 |   |
|-----------------|---|
| get_ethnicities | <i>Classifies names based on 6 U.S. ethnicities</i> |
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### 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 <a href="https://www.name-prism.com/api">https://www.name-prism.com/api</a> 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  $\text{length}(x) \times 9$ , 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.fr>

### Examples

```
# Prepare input vector of names
x <- c("Charles Crabtree", "Volha Chykina", "Christian Chacua",
      "Christian Mauricio Chacua")

# Expected output columns
expected_cols <- c("input", "encoded_name", "url",
                  "2PRACE", "Hispanic", "API",
                  "Black", "AIAN", "White")
print(expected_cols)

## Not run:
# Using the API token (you should get your own token)
y <- get_ethnicities(x, t = "YOUR_NAMEPRISM_TOKEN", warnings = FALSE)
```

```
y
# "Christian Chacua" and "Christian Mauricio Chacua" have the same
# probabilities as "Mauricio" is not taken into account.

## End(Not run)
```

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get\_gender

*Classifies names based on gender*

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## 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://namsor.app/>

## Value

An object that classifies inputted names according to gender.

## Author(s)

Charles Crabtree <ccrabtr@umich.edu>

## Examples

```
# Prepare input vectors
first_name <- c("Volha", "Charles", "Donald")
last_name <- c("Chykina", "Crabtree", "Duck")

# Expected output columns
expected_cols <- c("id", "first_name", "last_name", "api_url", "scale", "gender")
print(expected_cols)

## Not run:
# Note: the vectors of first and last names should be the same length.
key <- "YOUR_NAMSOR_API_KEY"
y <- get_gender(first_name, last_name, key)
y

## End(Not run)
```

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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 <a href="https://www.name-prism.com/api">https://www.name-prism.com/api</a> 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  $\text{length}(x) \times 42$ , with the probability of belonging to each of the 39 different leaf CEL groups of the Name-Prism taxonomy (see <https://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.fr>

### Examples

```
# Prepare input vector of names
x <- c("Charles Crabtree", "Volha Chykina", "Christian Chacua",
      "Christian Mauricio Chacua")

# Expected output columns (3 metadata + 39 leaf nationalities)
n_output_cols <- 42L
print(n_output_cols)

## Not run:
# Using the API token (you should get your own token)
y <- get_nationalities(x, t = "YOUR_NAMEPRISM_TOKEN", warnings = FALSE)
y
# "Christian Chacua" and "Christian Mauricio Chacua" have the same
```

*get\_nationalities*

5

```
# probabilities as "Mauricio" is not taken into account.
```

```
## End(Not run)
```

# Index

`get_ethnicities`, 2  
`get_gender`, 3  
`get_nationalities`, 4