

Package: genderconsciousrouting (via r-universe)

June 5, 2026

Title Gender-Conscious Routing Along Streets Named After Women Rather Than Men

Version 0.0.2.009

Description Gender-conscious routing along streets named after women rather than men.

License GPL-3

URL <https://github.com/mpadge/gender-conscious-routing>,
<https://mpadge.github.io/gender-conscious-routing/>

BugReports <https://github.com/mpadge/gender-conscious-routing/issues>

Imports cli, dodgr, httr, jsonlite, methods, sf

Suggests dplyr, knitr, rmarkdown, testthat

VignetteBuilder knitr

Encoding UTF-8

LazyData true

NeedsCompilation yes

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.1

Config/pak/sysreqs libabsl-dev cmake libgdal-dev gdal-bin libgeos-dev make libicu-dev libuv1-dev libxml2-dev libssl-dev libproj-dev libsqlite3-dev libudunits2-dev

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

Date/Publication 2024-06-02 10:30:27 UTC

RemoteUrl <https://github.com/mpadge/gender-conscious-routing>

RemoteRef HEAD

RemoteSha 277f5bdbfebc98c9825bfacbd415f01571c535

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conscious_route	<i>conscious_route</i>
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Description

Route between nominated start and end points along greatest proportional length of streets named after women rather than men.

Usage

```
conscious_route(net, start = NULL, stop = NULL, gender_weight = 10)
```

Arguments

net	Street network with gender column, returned by gender_streetnet function.
start	Start point of route.
stop	End point of route.
gender_weight	A numeric factor ≥ 1 by which to preferentially route along streets named after women. Larger values will search larger distances relative to the default (shortest) route to find routes with greatest proportional distances along streets named after women. Arbitrarily large values may be specified.

gcr_city	<i>gcr_city</i>
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Description

Analyse entire properties of one city

Usage

```
gcr_city(net, wt_profile = "foot", n = NULL, quiet = FALSE)
```

Arguments

net	Street network in osmdata_sc format.
wt_profile	Type of weighting profile for street network routing,.
n	Number of pints used to calculate pair-wise routes along which to aggregate statistics. If no value specified, routes are calculated between all pairs for the entire network. If value exceeds total number of network nodes, that number is used instead.
quiet	if FALSE, display progress information on screen.

gender_streetnet	<i>gender_streetnet</i>
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Description

Weight a street network via **dodgr** function `weight_streetnet`, adding additional information on gender of street names

Usage

```
gender_streetnet(net, wt_profile = "foot", country = "de")
```

Arguments

net	Street network in sf or sc format
wt_profile	Type of weighting to be used; see <code>dodgr::weight_streetnet</code> for details.
country	Country for which gender is to be determined, either as ISO3166 two-letter abbreviation, or full text. See list_countries for list of recognized countries.

Value

A weighted street network in **dodgr** format.

genderconsciousrouting	<i>genderconsciousrouting</i>
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Description

Gender-Correct Routing Along Streets Named After Women Rather Than Men

Author(s)

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Other contributors:

- Jörg Michael (Original author of included gender code) [copyright holder]

See Also

Useful links:

- <https://github.com/mpadge/gender-conscious-routing>
- <https://mpadge.github.io/gender-conscious-routing/>
- Report bugs at <https://github.com/mpadge/gender-conscious-routing/issues>

`get_gender`

get_gender

Description

Get the gender of a character vector

Usage

```
get_gender(text, country = NULL)
```

Arguments

<code>text</code>	The character vector to encode
<code>country</code>	Country for which gender is to be determined, either as ISO3166 two-letter abbreviation, or full text. See list_countries for list of recognized countries.

Value

data.frame of text with gender attached

<code>list_countries</code>	<i>list_countries</i>
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Description

List all countries included in the first name gender matcher

Usage

```
list_countries()
```

Value

A `data.frame` object of country names and associated ISO3166 abbreviations.

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