

Package ‘fipio’

July 22, 2025

Title Lightweight Federal Information Processing System (FIPS) Code
Information Retrieval

Version 1.1.2

Description Provides a lightweight suite
of functions for retrieving information
about 5-digit or 2-digit US FIPS codes.

URL <https://fipio.justinsingh.me>, <https://github.com/program--/fipio>

BugReports <https://github.com/program--/fipio/issues>

License MIT + file LICENSE

Encoding UTF-8

RoxygenNote 7.1.2

Depends R (>= 3.5.0)

Suggests testthat (>= 3.0.0), mockery (>= 0.4.2), covr, fastmatch (>= 1.0.0)

Config/testthat/edition 3

NeedsCompilation no

Author Justin Singh-Mohudpur [aut, cre] (ORCID:
<<https://orcid.org/0000-0002-5233-5799>>),
Mike Johnson [ctb] (ORCID: <<https://orcid.org/0000-0002-5288-8350>>),
Urban Flooding Open Knowledge Network (UF-OKN) [fnd]

Maintainer Justin Singh-Mohudpur <justin@justinsingh.me>

Repository CRAN

Date/Publication 2024-01-22 00:40:02 UTC

Contents

as_fips	2
coords_to_fips	3
fips_abbr	4
fips_county	4

fips_geometry	5
fips_metadata	5
fips_state	6
using_fastmatch	7
Index	8

as_fips	<i>Convert a state name, abbreviation, or county name to FIPS codes</i>
---------	---

Description

Convert a state name, abbreviation, or county name to FIPS codes

Usage

```
as_fips(state, county = NULL)
```

Arguments

state	State names, state abbreviations, or one of the following: "all", "conus", "territories"
county	County names or "all"

Value

a character vector

Examples

```
fipio::as_fips(state = "California")
fipio::as_fips(state = "NC")
fipio::as_fips(state = "Rhode Island", county = "Washington")
fipio::as_fips(c("CA", "North Carolina"), c("Stanislaus", "NEW HANOVER"))
fipio::as_fips("CONUS")
fipio::as_fips(state = "NC", county = "all")
```

coords_to_fips	<i>Associate a set of coordinates to FIPS codes</i>
----------------	---

Description

Associate a set of coordinates to FIPS codes

Usage

```
coords_to_fips(x, ...)

## S3 method for class 'sf'
coords_to_fips(x, ...)

## S3 method for class 'sfc'
coords_to_fips(x, ...)

## S3 method for class 'sfg'
coords_to_fips(x, ...)

## S3 method for class 'list'
coords_to_fips(x, ...)

## S3 method for class 'data.frame'
coords_to_fips(x, coords = c(1, 2), ...)

## S3 method for class 'matrix'
coords_to_fips(x, coords = c(1, 2), ...)

## S3 method for class 'character'
coords_to_fips(x, y, ...)

## S3 method for class 'numeric'
coords_to_fips(x, y, ...)
```

Arguments

x	data.frame, matrix, sf/sfc/sfg object, or longitude in <i>EPSG:4326</i>
...	Named arguments passed on to methods
coords	Coordinates columns if x is a data.frame or matrix.
y	Latitude in <i>EPSG:4326</i>

Value

a character vector of FIPS codes

Examples

```
# Some coordinates at UC Santa Barbara
coords_to_fips(x = -119.8696, y = 34.4184)
```

fips_abbr	<i>Get the state abbreviation for a FIPS code</i>
-----------	---

Description

Get the state abbreviation for a FIPS code

Usage

```
fips_abbr(fip)
```

Arguments

fip	2-digit or 5-digit FIPS code
-----	------------------------------

Value

a character vector

Examples

```
fipio::fips_abbr("37")
fipio::fips_abbr("06001")
```

fips_county	<i>Get the county name for a FIPS code</i>
-------------	--

Description

Get the county name for a FIPS code

Usage

```
fips_county(fip)
```

Arguments

fip	2-digit or 5-digit FIPS code
-----	------------------------------

Value

a character vector

Examples

```
fipio::fips_county("37129")
fipio::fips_county("06001")

# 2-digit FIP codes will not work
fipio::fips_county("37")
```

fips_geometry	<i>Get the geometry for a FIPS code</i>
---------------	---

Description

Get the geometry for a FIPS code

Usage

```
fips_geometry(fip)
```

Arguments

fip	2-digit or 5-digit FIPS code
-----	------------------------------

Value

an sfg/sfc object

Examples

```
## Not run:
fipio::fips_geometry("37")
fipio::fips_geometry("06001")

## End(Not run)
```

fips_metadata	<i>Get the metadata for a FIPS code</i>
---------------	---

Description

Get the metadata for a FIPS code

Usage

```
fips_metadata(fip, geometry = FALSE)
```

Arguments

- fip 2-digit or 5-digit FIPS code
- geometry If TRUE, returns a geometry column

Value

a data.frame

Examples

```
fipio::fips_metadata("37")
fipio::fips_metadata("06001")
```

fips_state	<i>Get the state name for a FIPS code</i>
------------	---

Description

Get the state name for a FIPS code

Usage

```
fips_state(fip)
```

Arguments

- fip 2-digit or 5-digit FIPS code

Value

a character vector

Examples

```
fipio::fips_state("37")
fipio::fips_state("06001")
```

using_fastmatch	<i>Get the matching function that fipio is using</i>
-----------------	--

Description

This function is primarily for debugging purposes, or for ensuring that the correct matching function is used.

Usage

```
using_fastmatch()
```

Value

TRUE if fastmatch::fmatch is used.

Index

`as_fips`, [2](#)

`coords_to_fips`, [3](#)

`fips_abbr`, [4](#)

`fips_county`, [4](#)

`fips_geometry`, [5](#)

`fips_metadata`, [5](#)

`fips_state`, [6](#)

`using_fastmatch`, [7](#)