

Package: fipio (via r-universe)

December 5, 2024

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

Version 1.1.2.9000

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>

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Encoding UTF-8

Roxygen list(markdown = TRUE)

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Depends R (>= 3.5.0)

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

Config/testthat/edition 3

Repository <https://owp-spatial.r-universe.dev>

RemoteUrl <https://github.com/program--/fipio>

RemoteRef HEAD

RemoteSha 85ccde86cd84a1c12536b2e4bfc947bfc60b00c2

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

Get the state abbreviation for a FIPS code

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
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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
Get the state name for a FIPS code

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
Get the matching function that fipio is using

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.

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