

Package ‘fipio’

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

Version 1.1.0

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/UFOKN/fipio>

BugReports <https://github.com/UFOKN/fipio/issues>

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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

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| | |
|---------|---|
| 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 | Associate a set of coordinates to FIPS codes |
|----------------|--|

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

Description

Get the state abbreviation for a FIPS code

Usage

```
fips_abbrev(fip)
```

Arguments

fip 2-digit or 5-digit FIPS code

Value

a character vector

Examples

```
fipio::fips_abbrev("37")
fipio::fips_abbrev("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")
```

| | |
|------------------------------|--|
| <code>using_fastmatch</code> | <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.

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