Package 'fipio'

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

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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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R topics documented:

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

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")
```

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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 *EPSG:4326*
...	Named arguments passed on to methods
coords	Coordinates columns if x is a `data.frame` or `matrix`.
y	Latitude in *EPSG:4326*

Value

a `character` vector of FIPS codes

Examples

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

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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	*Get the county name for a FIPS code*

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 *Get the geometry for a FIPS code*

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 *Get the metadata for a FIPS code*

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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