

Package ‘mapindiatools’

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Type Package

Title Mapping Data for 'mapindia' Package

Version 1.0.1

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Description Provides a container for data used by the 'mapindia' package.

The data used by 'mapindia' has been extracted into this package so that the file size of the 'mapindia' package can be reduced considerably. The data in this package will be updated when latest data is available.

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Encoding UTF-8

RoxygenNote 7.3.2

Imports dplyr, readr, rlang, sf, stringr, tidyr

Suggests spelling, testthat (>= 3.0.0)

Depends R (>= 2.10)

Config/testthat/edition 3

URL <https://github.com/shubhamdutta26/mapindiatools>

BugReports <https://github.com/shubhamdutta26/mapindiatools/issues>

Language en-US

NeedsCompilation no

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Repository CRAN

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centroid_labels	<i>Retrieve centroid labels</i>
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Description

Retrieve centroid labels

Usage

```
centroid_labels(regions = c("states", "districts"))
```

Arguments

regions The region breakdown for the map, can be one of ("states", "districts", as specified by the internal file names. The default is "states".

Value

An 'sf' data frame of state or district centroid labels and positions relative to the coordinates returned by the map_india function.

fetch_codes	<i>Retrieve state and district codes</i>
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Description

Retrieve state and district codes

Usage

```
fetch_codes(regions = c("states", "state", "districts", "district"))
```

Arguments

regions The region breakdown for the map, can be one of ("states", "state", "districts", "district"). The default is "states".

Value

An data frame of codes of the desired regions.

Examples

```
str(fetch_codes())  
  
state_codes <- fetch_codes()  
  
district_codes <- fetch_codes(regions = "districts")
```

map_india	<i>Retrieve Indian mapping data</i>
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Description

Retrieve Indian mapping data

Usage

```
map_india(  
  regions = c("states", "state", "districts", "district"),  
  include = c(),  
  exclude = c()  
)
```

Arguments

regions	The region breakdown for the map, can be one of ("states", "state", "districts", "district"). The default is "states".
include	The regions to include in the resulting map. If regions is "states"/"state", the value can be either a state name, abbreviation or code. If states are provided in the district map, only districts in the included states will be returned.
exclude	The regions to exclude in the resulting map. If regions is "states"/"state", the value can be either a state name, abbreviation or code. The regions listed in the include parameter are applied first and the exclude regions are then removed from the resulting map. Any excluded regions not present in the included regions will be ignored.

Value

An 'sf' data frame of indian map coordinates divided by the desired regions.

Examples

```
str(map_india())  
  
df <- map_india(regions = "districts")  
  
include_states <- map_india(include = c("WB", "NL", "AP"))  
  
exclude_states <- map_india(exclude = c("WB", "NL", "AP"))
```

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