

# Package ‘mapindiatools’

October 31, 2024

**Type** Package

**Title** Mapping Data for 'mapindia' Package

**Version** 1.0.1

**Maintainer** Shubham Dutta <shubhamdutta26@gmail.com>

**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.

**License** MIT + file LICENSE

**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

**Date/Publication** 2024-10-31 13:40:05 UTC

## Contents

centroid_labels . . . . .	2
fetch_codes . . . . .	2
map_india . . . . .	3

<b>Index</b>	<b>4</b>
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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.

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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")
```

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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 ditricks in the included states will be returned.
exclude	he 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"))
```

# Index

`centroid_labels`, [2](#)

`fetch_codes`, [2](#)

`map_india`, [3](#)