Package 'cnmap'

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Title China Map Data from AutoNavi Map

Version 0.1.2

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URL https://github.com/PanfengZhang/cnmap

BugReports https://github.com/PanfengZhang/cnmap/issues

Depends R (>= 4.3.0)

Imports sf, terra

License GPL-3

Encoding UTF-8

RoxygenNote 7.3.3

LazyData true

Suggests knitr, rmarkdown, ggplot2, tibble

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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ad   *the code and name of China's administrative divisions*

Description

the code and name of China's administrative divisions

Usage

```
ad
```

Format

A data frame with 3212 rows and 2 variables:

ID character, the code of China's administrative divisions

name character, asscii code, the name of China's administrative divisions. The asscii code can be converted to Chinese character using rawToChar() ...

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getMap   *China Map Data from AutoNavi Map*

Description

According to the code and name of the administrative division at the county level and above provided by the Ministry of Civil Affairs of the People's Republic of China in 2022, get the map vector file online from the website of AutoNavi Map (http://datav.aliyun.com/portal/school/atlas/area_selector).

Usage

```
getMap(
  name = NULL,
  code = "100000",
  subRegion = FALSE,
  returnClass = c("sf", "sv")
)
```

Arguments

name   character. An name of the China's administrative division at the county level
                 or above. The name of administrative division needs to be consistent with the
                 website provided by the Ministry of Civil Affairs of the People's Republic of
                 China in 2022.

code	character. A code of the China's administrative division at the county level or above. The code of administrative division needs to be consistent with the website provided by the Ministry of Civil Affairs of the People's Republic of China in 2022.
subRegion	A logical evaluating to TRUE or FALSE indicating whether the sub regions of the administrative region should be included. The default is FALSE, not included.
returnClass	A string determining the spatial object to return. Either "sf" for for simple feature (from 'sf' package, the default) or "sv" for a 'SpatVector' (from 'terra' package).

Value

a 'sf' or a 'SpatVector' object.

Examples

```
library(cnmap)

map1 <- getMap(code = "110000") # get the map data of Beijing City

map2 <- getMap(code = "100000") # get the map data of China.

# get the map data of Beijing City, and sub regions is also included.
map1 <- getMap(code = "110000", subRegion = TRUE)
```

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