

# Package ‘cnmap’

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**Title** China Map Data from AutoNavi Map

**Version** 0.1.2

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**Description** According to the codes and names of county-level and above administrative divisions released in 2022 by the Ministry of Civil Affairs of the People’s Republic of China, the online vector map files were retrieved from the website (available at: <[http://datav.aliyun.com/portal/school/atlas/area\\_selector](http://datav.aliyun.com/portal/school/atlas/area_selector)>). This study was supported by the National Natural Science Foundation of China (NSFC, Grant No. 42205177).

**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	<i>the code and name of China's administrative divisions</i>
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### 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	<i>China Map Data from AutoNavi Map</i>
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### 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](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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\* **datasets**

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