

Package: tidycensuskr.sf (via r-universe)

May 30, 2026

Title District Boundaries by Censal Years for tidycensuskr Package

Version 0.1.4

Description This file-only package provides district boundaries by censal years for use with the tidycensuskr package. It contains spatial boundary data (sf objects) for South Korean administrative districts from census years 2010, 2015, and 2020.

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Imports sf, dplyr, tidyr, ggplot2, spdep, tmap, biscale, cowplot, grid, ggspatial, geodata, tidycensuskr

Suggests knitr, rmarkdown, testthat, remotes, devtools

LazyData true

Depends R (>= 4.1.0)

Encoding UTF-8

URL <https://github.com/sigmafelix/tidycensuskr.sf>

BugReports <https://github.com/sigmafelix/tidycensuskr.sf/issues>

RoxygenNote 7.3.3

Roxygen list(markdown = TRUE)

VignetteBuilder knitr, rmarkdown

Config/testthat/edition 3

Config/pak/sysreqs

libabsl-dev cmake libgdal-dev gdal-bin libgeos-dev make libicu-dev libjpeg-dev libpng-dev libuv1-dev libxml2-dev libssl-dev libproj-dev libsqlite3-dev libudunits2-dev zlib1g-dev

Repository <https://sigmafelix.r-universe.dev>

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basemap_kor	<i>Basemap layout for tmap in South Korea</i>
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Description

This function first downloads adjacent country polygon data from GADM and then creates a basemap layout with insets for South Korea. The sf objects are reprojected to EPSG:5179 (Korea 2000 / Unified CS).

Usage

```
basemap_kor(geodata_path = "~/geodata")
```

Arguments

`geodata_path` A character string specifying the directory to store the downloaded GADM data. Default is "~/geodata".

Value

A tmap object representing the basemap layout for South Korea.

Note

The output is a tmap object that can be further customized. It is recommended to export the map using `tmap::tmap_save()` with a high resolution (i.e., `dpi > 200`).

basemap_kor_in	<i>Basemap layout for tmap in South Korea</i>
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Description

This function first downloads adjacent country polygon data from GADM and then creates a basemap layout with insets for South Korea. The sf objects are reprojected to EPSG:5179 (Korea 2000 / Unified CS).

Usage

```
basemap_kor_in(year = 2020)
```

Arguments

year An integer specifying the year of the administrative level 2 data. Default is 2020.

Value

A tmap object representing the basemap layout for South Korea.

Note

The output is a tmap object that can be further customized. It is recommended to export the map using `tmap::tmap_save()` with a high resolution (i.e., `dpi > 200`).

convert_basic_adm2 *Convert administrative level 2 sf polygons to basic local government boundaries*

Description

This function converts administrative level 2 polygons from Ministry of Data and Statistics (formerly Statistics Korea) to basic local government boundaries. Basic local governments are administrative units with their own local councils and mayors, such as cities (si), counties (gun) and districts (gu), but without districts in populous non-metropolitan cities.

Usage

```
convert_basic_adm2(adm2_sf = NULL, year = 2020)
```

Arguments

adm2_sf An sf object containing administrative level 2 polygons from Ministry of Data and Statistics.

year An integer specifying the year of the administrative level 2 data. Default is 2020. This value is ignored when `adm2_sf` is provided.

Value

An sf object containing basic local government boundaries.

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