

# Package ‘bruneimap’

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**Type** Package

**Title** Maps and Spatial Data of Brunei

**Version** 0.3.1

**Description** Provides spatial data for mapping Brunei, including boundaries for districts, mukims, and kampongs, as well as locations of key infrastructure such as masjids, hospitals, clinics, and schools. The package supports researchers, analysts, and developers working with Brunei’s geographic and demographic data, offering a quick and accessible foundation for creating maps and conducting spatial studies.

**License** GPL (>= 3)

**URL** <https://github.com/Bruneiverse/bruneimap>,  
<https://bruneiverse.github.io/bruneimap/>

**BugReports** <https://github.com/Bruneiverse/bruneimap/issues>

**Depends** R (>= 3.5), sf

**Suggests** ggplot2, knitr, rmarkdown, tidyverse

**Encoding** UTF-8

**LazyData** true

**LazyDataCompression** xz

**RoxygenNote** 7.3.2

**VignetteBuilder** knitr

**Imports** dplyr, lifecycle

**NeedsCompilation** no

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bnkpg_df	<i>Brunei kampong data</i>
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### Description

Brunei kampong data

### Usage

bnkpg\_df

### Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 438 rows and 4 columns.

### Details

A tibble containing kampong, mukim, district information. All rows correspond to an area on the map. Useful to combine with other unit-level information for plotting.

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`bruneimap`*Simple feature objects to plot Brunei maps*

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**Description**

Simple feature objects to plot Brunei maps

**Usage**`dis_sf``mkm_sf``kpg_sf``brn_sf`**Format**

An object of class `sf` (inherits from `tbl_df`, `tbl`, `data.frame`) with 4 rows and 7 columns.

An object of class `sf` (inherits from `tbl_df`, `tbl`, `data.frame`) with 39 rows and 8 columns.

An object of class `sf` (inherits from `tbl_df`, `tbl`, `data.frame`) with 438 rows and 9 columns.

An object of class `sf` (inherits from `tbl_df`, `tbl`, `data.frame`) with 17 rows and 2 columns.

**Details**

There are three simple feature objects in this package that can be used to plot Brunei maps:

- `dis_sf`: District-level boundaries
- `mkm_sf`: Mukim-level boundaries
- `kpg_sf`: Kampong-level boundaries
- `brn_sf`: A silhouette of Brunei

**Examples**

```
library(ggplot2)

# District-level boundaries
ggplot(dis_sf) +
  geom_sf()

# Mukim-level boundaries
ggplot(mkm_sf) +
  geom_sf()

# Kampong-level boundaries
ggplot(kpg_sf) +
  geom_sf()
```

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`census2021`*Brunei census data 2021*

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**Description**

Brunei census data 2021

**Usage**`census2021`**Format**An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 365 rows and 11 columns.**Details**

A tibble containing the population, split into male/female or Bruneian/PR/foreigners for each kampong. Also contains number of households and occupied living quarters.

**References**DEPS. "The Population and Housing Census Report (BPP) 2021: Demographic, Household and Housing Characteristics." Department of Economic Planning and Statistics, Ministry of Finance and Economy, Brunei Darussalam, October 2022. URL: <https://deps.mofe.gov.bn/SitePages/Population.aspx>**Examples**

```
library(tidyverse)
census2021 |>
  summarise(
    population = sum(population),
    .by = district
  )
```

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`fr_sf`*Forest reserve areas in Brunei*

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**Description**

Forest reserve areas in Brunei

**Usage**`fr_sf`

**Format**

An object of class `sf` (inherits from `tbl_df`, `tbl`, `data.frame`) with 20 rows and 6 columns.

**References**

Forestry Dept., . “The 5th National Report to the Convention on Biological Diversity.” Bandar Seri Begawan, Brunei: The Forestry Department, Ministry of Industry and Primary Resources, 2014.

**Examples**

```
library(ggplot2)
ggplot(fr_sf) +
  geom_sf()
```

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healthcare	<i>Hospitals and Clinics (Health Centres) in Brunei</i>
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**Description**

Hospitals and Clinics (Health Centres) in Brunei

**Usage**

```
healthcare
```

**Format**

A tibble containing the name, type, and lat/long coordinates of hospitals and clinics in Brunei.

**Examples**

```
nrow(healthcare)
ncol(healthcare)
```

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masjid	<i>Masjid (mosques) in Brunei</i>
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**Description**

Masjid (mosques) in Brunei

**Usage**

```
masjid
```

**Format**

A tibble containing the name and lat/long coordinates of masjids in Brunei

**References**

<https://www.mora.gov.bn/senaraimasjid/forms/viewall.aspx>

**Examples**

```
dplyr::glimpse(masjid)
```

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schools

*Data sets relating to schools in Brunei*

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**Description**

Data sets relating to schools in Brunei

**Usage**

sch\_sf

tchr

enrolment

enrolment\_MOE

**Format**

An object of class sf (inherits from tbl\_df, tbl, data.frame) with 252 rows and 14 columns.

An object of class tbl\_df (inherits from tbl, data.frame) with 48 rows and 5 columns.

An object of class tbl\_df (inherits from tbl, data.frame) with 48 rows and 5 columns.

An object of class tbl\_df (inherits from tbl, data.frame) with 84 rows and 5 columns.

**Details**

There are four datasets related to schools in Brunei:

- sch\_sf: A spatial object of schools in Brunei
- tchr: A tibble of the number of teachers in schools in Brunei
- enrolment: A tibble of the number of students in schools in Brunei
- enrolment\_MOE: A tibble of the number of students in schools in Brunei

## References

- [Education Statistics and Indicators Handbook](#). Ministry of Education, Brunei.
- [Summarised version, Y2023](#)

## Examples

```
library(ggplot2)
ggplot() +
  geom_sf(data = brn_sf) +
  geom_sf(data = sch_sf)
```

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