

# Package ‘gwpcormapper’

July 22, 2025

**Title** Geographically Weighted Partial Correlation Mapper

**Version** 0.1.3

**Description** An interactive mapping tool for geographically weighted correlation and partial correlation. Geographically weighted partial correlation coefficients are calculated following (Percival and Tsutsumida, 2017)<[doi:10.1553/giscience2017\\_01\\_s36](https://doi.org/10.1553/giscience2017_01_s36)> and are described in greater detail in (Tsutsumida et al., 2019)<[doi:10.5194/ica-abs-1-372-2019](https://doi.org/10.5194/ica-abs-1-372-2019)> and (Percival et al., 2021)<[doi:10.48550/arXiv.2101.03491](https://doi.org/10.48550/arXiv.2101.03491)>.

**License** GPL-3

**Imports** config, golem, shiny, processx, attempt, DT, glue, htmltools, shinydashboard, sf, dplyr, geodist, plotly, crosstalk, viridis, leaflet, tools, shinyjs, Rcpp, corpcor, pkgload, methods

**LinkingTo** Rcpp

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.1

**Suggests** testthat (>= 3.0.0), knitr, rmarkdown

**Config/testthat/edition** 3

**URL** <https://github.com/gwpcor/gwpcormapper>

**BugReports** <https://github.com/gwpcor/gwpcormapper/issues>

**Depends** R (>= 2.10)

**NeedsCompilation** yes

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**Repository** CRAN

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run_app	<i>Launches gwpcorMapper.</i>
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### Description

Launches gwpcorMapper.

### Usage

```
run_app(...)
```

### Arguments

... A series of options to be used inside the app.

### Value

null

### Examples

```
## Not run:
gwpcormapper::run_app()
```

```
## End(Not run)
```

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tokyo2005	<i>Tokyo 2005 Census Data.</i>
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### Description

The original source of the data is the Portal Site of Official Statistics of Japan website (<https://www.e-stat.go.jp/>) Note that the original dataset was modified to provide English translations.

### Usage

```
tokyo2005
```

### Format

An object of class sf (inherits from data.frame) with 3134 rows and 229 columns.

**Value**

An sf object with census statistics of the 23 special wards of Tokyo from the year 2005.

**Author(s)**

Joseph Percival and Narumasa Tsutsumida <ipercival@gmail.com>

**References**

<https://www.e-stat.go.jp/>

**Examples**

```
## Not run:  
data(tokyo2005)  
summary(tokyo2005)  
  
## End(Not run)
```

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\* **data**

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