

Package: HawaSpatial (via r-universe)

July 24, 2026

Title Holistic and Areal Weighted Analysis for Global Development

Version 0.1.3

Description A professional-grade, multi-'sectoral' platform designed for sub-national monitoring of global development indicators. Optimized for large-scale household surveys including 'DHS', 'MICS', 'MIS', 'IHBS', 'SPA', and 'LSMS', the package provides a comprehensive workflow covering Descriptive, Diagnostic, Predictive, and Prescriptive analytics. Key functionalities include a 'Spatial Equalizer' for seamless data integration, 17 Exploratory Spatial Data Analysis ('ESDA') methods, Small Area Estimation ('SAE') via 'Fay-Herriot' models, Spatial Econometrics ('SAR'/'SEM'), and 4-stage hierarchical multilevel modeling using the 'glmmTMB' engine. It enables researchers and policymakers to identify geographic 'hotspots', quantify spatial inequality ('SDG' 10), and generate publication-ready reports.

License GPL (>= 3)

Encoding UTF-8

LazyData true

RoxygenNote 7.3.3

Imports biscale, broom, broom.mixed, bs4Dash, classInt, config, corrplot, cowplot, dplyr, ggplot2, ggrepel, glmmTMB, golem, gstat, haven, ineq, lmtest, magrittr, performance, purrr, RColorBrewer, readr, rmarkdown, sae, scales, sf, shiny, spatialreg, spdep, stringr, survey, tidyr, tidyselect, tidyverse, viridis

URL <https://github.com/Abdisalammuse/HawaSpatial>

BugReports <https://github.com/Abdisalammuse/HawaSpatial/issues>

VignetteBuilder knitr

Suggests knitr

Config/pak/sysreqs
libabsl-dev cmake libfontconfig1-dev libfreetype6-dev libfribidi-dev libgdal-dev gdal-bin libgeos-dev make libharfbuzz-dev libicu-dev libjpeg-dev libpng-dev libtiff-dev libuv1-dev libwebp-dev libxml2-dev libssl-dev libproj-dev libsqlite3-dev libudunits2-dev libx11-dev zlib1g-dev

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

Date/Publication 2026-02-25 13:12:35 UTC

RemoteUrl <https://github.com/abdisalammuse/hawaspatial>

RemoteRef HEAD

RemoteSha 1592ff6e79cdd2990f5343fb687490dbe6dc7490

Contents

app_sys	2
get_golem_config	2
run_app	3
Index	4

app_sys	<i>Access files in the current app</i>
---------	--

Description

Access files in the current app

Usage

```
app_sys(...)
```

Arguments

... character vectors, specifying subdirectory and file(s)

get_golem_config	<i>Read Golem Config</i>
------------------	--------------------------

Description

Read Golem Config

Usage

```
get_golem_config(str, config = Sys.getenv("GOLEM_CONFIG_ACTIVE", "default"))
```

Arguments

str	The setting to read
config	The configuration profile

run_app	<i>Run the Shiny Application</i>
---------	----------------------------------

Description

Run the Shiny Application

Usage

```
run_app(  
  onStart = NULL,  
  options = list(),  
  enableBookmarking = NULL,  
  uiPattern = "/",  
  ...  
)
```

Arguments

onStart	A function that will be called before the app is actually run.
options	Named options that should be passed to the 'runApp' call.
enableBookmarking	Can be one of "url", "server", or "disable".
uiPattern	A regular expression used to match the UI.
...	arguments to pass to golem_opts.

Index

`app_sys`, [2](#)

`get_golem_config`, [2](#)

`run_app`, [3](#)