

Package: MBGapp (via r-universe)

July 11, 2026

Type Package

Title Interactive Shiny Application for Model-Based Geostatistics

Version 0.1.0

Description Provides an interactive 'shiny' application for teaching and applied analysis of geostatistical data. Users can explore spatial data, assess spatial correlation through the empirical variogram, fit model-based geostatistical models for continuous, prevalence and count outcomes, produce spatial predictions, and download reports. The methodology follows the model-based geostatistics framework of Diggle and Giorgi (2019, ISBN:9781138732353).

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URL <https://github.com/olatunjijohnson/MBGapp>

BugReports <https://github.com/olatunjijohnson/MBGapp/issues>

Encoding UTF-8

RoxygenNote 7.3.1

Imports geoR, ggplot2, shiny, sf, dplyr, readr, tidyr, magrittr, leaflet, leafem, tidyterra, stars, RiskMap, terra, grDevices, shinyjs, splines, httr2, rmarkdown

Suggests INLA, covr

Additional_repositories <https://inla.r-inla-download.org/R/stable>

Config/pak/sysreqs libabsl-dev cmake libgdal-dev gdal-bin libgeos-dev make libicu-dev libpng-dev libuv1-dev libssl-dev libproj-dev libsqlite3-dev libudunits2-dev libx11-dev zlib1g-dev

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

Date/Publication 2026-06-26 12:52:12 UTC

RemoteUrl <https://github.com/olatunjijohnson/mbgapp>

RemoteRef HEAD

RemoteSha a4c562e18552f5d18966685754d4f6df35ed42bc

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run_app	<i>Launch the MBGapp Shiny application</i>
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Description

Runs the interactive Shiny application for model-based geostatistical analysis that is bundled with the package. The application lets the user upload data, explore it, fit geostatistical models and produce predictions and reports.

Usage

```
run_app()
```

Value

No return value; called for the side effect of launching the Shiny application.

Examples

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

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