

Package: MBGapp (via r-universe)

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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, testthat (>= 3.0.0)

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

Config/testthat/edition 3

NeedsCompilation no

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

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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

```
if (interactive()) {
  run_app()
}
```

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