Package 'EpiSimR'

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Title A 'Shiny' App to Simulate the Dynamics of Epidemic and Endemic

Diseases Spread

Version 1.1
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Description The 'EpiSimR' package provides an interactive 'shiny' app based on deterministic compartmental mathematical modeling for simulating and visualizing the dynamics of epidemic and endemic disease spread. It allows users to explore various intervention strategies, including vaccination and isolation, by adjusting key epidemiological parameters. The methodology follows the approach described by Brauer (2008) <doi:10.1007 978-3-540-78911-6_2="">. Thanks to 'shiny' package.</doi:10.1007>
Depends R (>= 4.1.1), shiny (>= 1.10.0), deSolve (>= 1.40), openxlsx (>= 4.2.8)
Imports dplyr, DT, shinythemes
License GPL (>= 3)
Encoding UTF-8
RoxygenNote 7.3.2
Suggests knitr, rmarkdown, testthat (>= 3.0.0)
VignetteBuilder knitr
Config/testthat/edition 3
NeedsCompilation no
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run_app

run_app

Launch the shiny app of the package EpiSimR

Description

Launch the shiny app of the package EpiSimR

Usage

```
run_app()
```

Value

No return value, called for side effects. This function launches a Shiny application.

Examples

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

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