

Package ‘ReliaShiny’

April 22, 2026

Type Package

Title A 'Shiny' App for Reliability Analysis

Version 0.5

Description An interactive web application for reliability analysis using the 'shiny' <<https://shiny.posit.co/>> framework. The app provides an easy-to-use interface for performing reliability analysis using 'WeibullR' <<https://cran.r-project.org/package=WeibullR>> and 'ReliaGrowR' <<https://cran.r-project.org/package=ReliaGrowR>>.

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Imports magrittr, ReliaGrowR, ReliaPlotR, shinycssloaders, WeibullR, WeibullR.ALT, shiny, shinydashboard, shinyWidgets

Encoding UTF-8

RoxygenNote 7.3.3

URL <https://paulgovan.github.io/ReliaShiny/>,
<https://github.com/paulgovan/ReliaShiny>

BugReports <https://github.com/paulgovan/ReliaShiny/issues>

Suggests knitr, rmarkdown, shinytest2, testthat (>= 3.0.0)

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

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extract_alt_summ	<i>Extract ALT summary as a data frame</i>
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Description

Extract ALT summary as a data frame

Usage

```
extract_alt_summ(alt_obj, digits = 4)
```

Arguments

alt_obj	Object returned by WeibullR.ALT::alt.fit().
digits	Number of decimal places to round numeric values.

Value

A two-column data frame with Param and Value.

extract_nhpp_summ	<i>Extract NHPP summary as a data frame</i>
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Description

Extract NHPP summary as a data frame

Usage

```
extract_nhpp_summ(nhpp_obj, digits = 4)
```

Arguments

nhpp_obj	Object returned by ReliaGrowR::nhpp().
digits	Number of decimal places to round numeric values.

Value

A two-column data frame with Param and Value.

extract_rga_summ	<i>Extract RGA summary as a data frame</i>
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Description

Extract RGA summary as a data frame

Usage

```
extract_rga_summ(rga_obj, digits = 4)
```

Arguments

rga_obj	Object returned by ReliaGrowR::rga().
digits	Number of decimal places to round numeric values.

Value

A two-column data frame with Param and Value.

extract_wblr_summ	<i>Extract WeibullR summary as a data frame</i>
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Description

Extract WeibullR summary as a data frame

Usage

```
extract_wblr_summ(wblr_obj, digits = 4)
```

Arguments

wblr_obj	Object returned by WeibullR::wblr.fit().
digits	Number of decimal places to round numeric values.

Value

A two-column data frame with Param and Value.

ReliaShiny

A Shiny Reliability Analysis App.

Description

This function launches a Shiny application for reliability analysis.

Usage

```
ReliaShiny()
```

Value

This function does not return a value.

See Also

<https://paulgovan.github.io/ReliaShiny/>

Examples

```
if (interactive()) {  
  ReliaShiny()  
}
```

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