Package: survSampleSize (via r-universe)

June 21, 2026

Title Sample Size Calculator for Survival Endpoint Clinical Trials

Version 0.1.2

Description An interactive 'shiny' application for sample size and power calculation under general conditions for clinical trials with survival endpoints. Implements the weighted log-rank method of Lu (2021) <doi:10.1002/pst.2069> via the 'lrstat' package, supporting non-proportional hazards, delayed treatment effects, unequal allocation and dropout, as well as the classic method of Freedman (1982) <doi:10.1002/sim.4780010204> via the 'powerSurvEpi' package. Results are presented interactively with survival curves and event-prediction timelines.

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Encoding UTF-8

Imports lrstat, powerSurvEpi, shiny, stats

Suggests bslib, DT, ggplot2, knitr, plotly, rmarkdown, testthat (>= 3.0.0)

VignetteBuilder knitr

Config/testthat/edition 3

Config/roxygen2/version 8.0.0

NeedsCompilation no

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Config/pak/sysreqs cmake make libuv1-dev zlib1g-dev

Repository https://jianghuai0730.r-universe.dev

Date/Publication 2026-06-21 10:40:02 UTC

RemoteUrl https://github.com/cran/survSampleSize

RemoteRef HEAD

RemoteSha 3f83465e45cb976149b942e5a0f59321a1eea4dd

Contents

`run_app` *Launch the Survival Sample Size Shiny App*

Description

Opens an interactive Shiny application for sample size calculation in clinical trials with survival endpoints, implementing lrstat (Lu 2021) and powerSurvEpi (Freedman 1982).

Usage

```
run_app()
```

Value

No return value. Launches the Shiny app in the browser.

Examples

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

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