

# Package ‘LifeTableBuilder’

May 7, 2026

**Type** Package

**Title** Interactive 'shiny' Application for Constructing Life Tables

**Version** 0.1.2

**Description** Provides an interactive 'shiny' application to construct stage-structured life tables from tabular input data. The application includes input validation, demographic calculations, visualization tools, and export of tables and figures to support reproducible workflows in ecological and entomological studies. Methods for life table construction follow classical demographic approaches described in Martinez (2015) <[doi:10.13140/RG.2.2.21333.65760](https://doi.org/10.13140/RG.2.2.21333.65760)>.

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.3.3

**Imports** shiny, DT, ggplot2, readxl, gridExtra

**Suggests** testthat (>= 3.0.0)

**Config/testthat/edition** 3

**URL** <https://github.com/almarazkrae-4081/lifetablebuilder>

**BugReports** <https://github.com/almarazkrae-4081/lifetablebuilder/issues>

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2026-02-20 10:20:21 UTC

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LifeTableBuilder	<i>Launch LifeTableBuilder</i>
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**Description**

Convenience alias to run the Shiny application.

**Usage**

```
LifeTableBuilder(...)
```

**Arguments**

... Passed to `run_app` (and ultimately to `shiny::runApp`).

**Value**

No return value; called for its side effects (launches the LifeTableBuilder 'shiny' application).

**Examples**

```
if (interactive()) {  
  LifeTableBuilder()  
}
```

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run_app	<i>Run the LifeTableBuilder 'shiny' application</i>
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**Description**

Launches the 'shiny' application shipped with the package.

**Usage**

```
run_app(...)
```

**Arguments**

... Passed to `shiny::runApp`.

**Value**

No return value; called for its side effects (launches a 'shiny' application).

**Examples**

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

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