Package 'evidenceratio'

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Type Package

Title Likelihood-Based Evidence Ratios for Classical Statistical Tests

Version 0.1.0

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Language en-GB

Description Implements likelihood-based evidence ratios for unified reporting in classical statistical testing. The package reports effect estimates, uncertainty intervals, and likelihood ratios on the log 10 scale derived from a single statistical model. It applies to standard normal mean tests, contingency tables, and regression coefficients, and provides a direct evidential measure while retaining classical error guarantees. For the Evidence Ratio Reporting Standard see Lawless (2026) <doi:10.5281/zenodo.18261076>.

Encoding UTF-8

Depends R (>= 4.0)

Imports stats

Suggests testthat (>= 3.1.0), waldo (>= 0.5.0), knitr, rmarkdown, ggplot2

VignetteBuilder knitr

RoxygenNote 7.3.2

NeedsCompilation no

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Repository CRAN

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Contents

`evidence_test` *Likelihood-based evidence ratio test*

Description

Computes an effect estimate, a Wald-style uncertainty interval, and a likelihood-based evidence ratio (log10 scale) from a single statistical model.

Usage

```
evidence_test(...)
```

Arguments

`...`	Arguments defining the data and model.

Value

An object of class `evidence_result`.

Examples

```
x <- sleep$extra[sleep$group == 1]
evidence_test(x)

tbl <- matrix(c(30, 70, 20, 80), nrow = 2)
evidence_test(tbl)

evidence_test(mpg ~ wt, data = mtcars, coef = "wt")
```

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