Package 'RAP'

October 10, 2025

Type Package

Title Reversal Association Pattern Analysis for Categorical Data

Version 1.2.2

Date 2025-10-07

Maintainer Subbiah M <sisufive@gmail.com>

Description Implements reversal association pattern analysis for categorical data. Detects sub-tables exhibiting reversal associations in contingency tables, provides visualization tools, and supports simulation-based validation for complex $I \times J$ tables.

License GPL-2

Encoding UTF-8

RoxygenNote 7.3.1

NeedsCompilation no

Author Subbiah M [aut, cre]

Repository CRAN

Date/Publication 2025-10-10 19:30:07 UTC

Contents

---

   fnRAP   *Reversal Association Pattern Analysis*

Description

Performs reversal association pattern analysis for categorical data.

Usage

```
fnRAP(a, nr, nc, verbose = TRUE)
```

Arguments

`a`	numeric vector containing table entries
`nr`	number of rows
`nc`	number of columns
`verbose`	logical; if TRUE, prints informational messages (default: TRUE)

Value

List containing the analysis results

Examples

```
a = c(38,58,69,34,28,17,28,14,14)
nr = 3
nc = 3
fnRAP(a, nr, nc)
```

Index

fnRAP,