

Package: HSEtest (via r-universe)

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Type Package

Title Homogeneity of Stratum Effects Test

Version 0.1.0

Author Zhicheng Du, Yuantao Hao

Maintainer Zhicheng Du<dgdzc@hotmail.com>

Description To test the homogeneity of stratum effects in stratified paired binary data.

License GPL-3

Encoding UTF-8

NeedsCompilation no

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Repository <https://marsdu1989.r-universe.dev>

RemoteUrl <https://github.com/cran/HSEtest>

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HSE	<i>Homogeneity of Stratum Effects Test</i>
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Description

To test the homogeneity of stratum effects in stratified paired binary data.

Usage

HSE(Tab)

Arguments

Tab the table combining k 2×2 tables by rows, k is 1,2,...,n

Value

T the statistic following the chi-squared distribution
p the p value, if $p < 0.05$, there was a statistically significant difference among the stratum

Note

Please feel free to contact us, if you have any advice and find any bug!

Reference:

1. Yan D. Zhao, Dewi Rahardja, De-Hui Wang & Haili Shen (2014) Testing Homogeneity of Stratum Effects in Stratified Paired Binary Data, Journal of Biopharmaceutical Statistics, 24:3, 600-607, DOI: 10.1080/10543406.2014.888440

Update:

Version 0.1.0: The first version.

Examples

```
table1 <- matrix(c(30,4,3,20),ncol=2)
table2 <- matrix(c(25,2,3,20),ncol=2)
table <- rbind(table1,table2)
HSE(table)
```

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