
<code>scorePois.test</code>	<i>Data driven score tests for testing goodness of fit of the Poisson distribution.</i>
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Description

Two variants of the score test, i.e. ML-test and MS-test, are implemented. The procedure is intended for moderate size samples, i.e. $25 \leq n \leq 500$.

Usage

```
scorePois.test(x, D = 3, delta = 0.05, method = c("ML", "MS"))
```

Arguments

<code>x</code>	a numeric vector containing sample from a discrete distribution
<code>D</code>	an integer number used in selection rule for ML-test (default value: $D=3$).
<code>delta</code>	a small real number from (0,1) used in selection rule for ML-test (default value: $\delta=0.05$)
<code>method</code>	either "ML" or "MS"

Value

The list containing: `H` - decision regarding null hypothesis for standard significance level $\alpha = 0.05$, i.e. $H=0$ (accept) or $H=1$ (reject), and `test.stat` - the computed test statistic.

Author(s)

Tadeusz Inglot and Adam Zagdański

References

For more information see: T.Inglot (2017), Data Driven Efficient Score Test for Poissonity, Probability and Mathematical Statistics.

Examples

```
x <- rpois(n = 50, lambda = 1)
scorePois.test(x)
scorePois.test(x, method = "MS")
```