

# Package: jScore (via r-universe)

November 3, 2024

**Type** Package

**Title** Calculates the j-Score Between Two Clustering Assignments

**Version** 0.1.0

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**Description** The jscore() function in the package calculates the J-Score metric between two clustering assignments. The score is designed to address some problems with existing common metrics such as problem of matching. The details of J-score is described in Ahmadinejad and Liu. (2021) <[arXiv:2109.01306](https://arxiv.org/abs/2109.01306)>.

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.1.1

**URL** <https://github.com/liliulab/jscore>

**Suggests** knitr, rmarkdown, testthat (>= 3.0.0)

**VignetteBuilder** knitr

**Config/testthat/edition** 3

**Repository** <https://liliulab.r-universe.dev>

**RemoteUrl** <https://github.com/liliulab/jscore>

**RemoteRef** HEAD

**RemoteSha** f72b4ae6a716f7c32e9d32c4bca24d8ffae3513

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**Description**

Calculates the j-score between two clustering assignment.

**Usage**

```
jscore(truth, pred)
```

**Arguments**

truth	A numeric vector of truth class labels.
pred	A numeric vector of predicted class labels.

**Value**

Returns the j-score of the clustering assignment.

**Examples**

```
truth=c(1,1,1,1,1,2,2,2,2,2,3,3,3,3,3)
pred= c(1,1,1,2,2,2,3,3,3,4,4,4,5,5,5)
jscore(truth, pred)
```

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