Package 'AurieLSHGaussian'

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Type Package

Title Creates a Neighbourhood Using Locality Sensitive Hashing for Gaussian Projections

Version 0.2.0

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Description Uses locality sensitive hashing and creates a neighbourhood graph for a data set and calculates the adjusted rank index value for the same. It uses Gaussian random planes to decide the nature of a given point. Datar, Mayur, Nicole Immorlica, Piotr Indyk, and Vahab S. Mirrokni(2004) <doi:10.1145/997817.997857>.

License GPL-2

Encoding UTF-8

LazyData TRUE

Depends igraph, stringdist, reshape2, lsa

Imports stats, flexclust

RoxygenNote 6.0.1

NeedsCompilation no

Repository CRAN

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R topics documented:

LSH_Gaussian *Creates a Neighbourhood Using Locality Sensitive Hashing for Gaussian Projections*

Description

This package uses Locality Sensitive Hashing and creates a Neighbourhood Graph for a datset and calculates the ARI value for the same. It uses Gaussian Random planes to decide the nature of a given point.

Usage

```
LSH_Gaussian(mydata, result9)
```

Arguments

mydata	A data frame consisting of the data set without the class column
result9	A column which consists of the class column

Examples

```
LSH_Gaussian(iris[,-5],iris$Species)
```

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