

Package ‘pdist’

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Type Package

Title Partitioned Distance Function

Version 1.2

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Author Jeffrey Wong

Maintainer Jeffrey Wong <jeff.ct.wong@gmail.com>

URL <https://github.com/jeffwong/pdist>

Description Computes the euclidean distance between rows of a matrix X and rows of another matrix Y. Previously, this could be done by binding the two matrices together and calling 'dist', but this creates unnecessary computation by computing the distances between a row of X and another row of X, and likewise for Y. pdist strictly computes distances across the two matrices, not within the same matrix, making computations significantly faster for certain use cases.

License GPL

LazyLoad yes

Depends methods

Collate 'pdist.R' 'setup.R'

Repository CRAN

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NeedsCompilation yes

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pdist-package

Distances between Observations for a Partitioned Matrix

Description

Computes the euclidean distance between rows of a matrix X and rows of another matrix Y. Previously, this could be done by binding the two matrices together and calling 'dist', but this creates unnecessary computation by computing the distances between a row of X and another row of X, and likewise for Y. pdist strictly computes distances across the two matrices, not within the same matrix, making computations significantly faster for certain use cases.

Details

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Type:	Package
Version:	1.2
Date:	2013-01-31
License:	GPL
LazyLoad:	yes

Author(s)

Jeffrey Wong <jeff.ct.wong@gmail.com>

pdist

Partitioned Distances

Description

Compute distance matrix between two matrices of observations, or two subsets of one matrix

Usage

```
pdist(X, Y = NULL, indices.A = NULL, indices.B = NULL)
```

Arguments

X	a matrix of n observations where columns represent features of the observations
Y	optional. A second matrix of p observations like X. Y must have the same number of columns as X

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