

R documentation

of ‘consensus.RD’

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consensus

Calculates a consensus matrix on distance matrices

Description

consensus calculates the consensus matrix after applying k-medoids with a partition configuration (i.e. the set of k-paramaters to be used by the algorithm) into a set of distance matrices

Usage

```
consensus(distMats, nk = seq(2, 20, 1),  
          n.shuffle=1000, par = F, ncores=1, gamma=1,  
          seed=NULL)
```

Arguments

distMats	A list of n x n matrices, where n is the total number of subjects and each entry in the matrix represents the distance among subjects.
nk	Set of values of k to be used by k-medoids on each matrix
n.shuffle	number of shufflings permutations to compute the null ensemble
par	Logical: should parallelization be used? doParallel package is required
ncores	Integer: If parallel is true, number of cores to be used
gamma	resolution parameter of the null ensemble.
seed	seed to make calculations reproducible

Value

A modularity n x n matrix

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