Package 'NMI'

October 12, 2022 Title Normalized Mutual Information of Community Structure in Network Version 2.0 Description Calculates the normalized mutual information (NMI) of two community structures in network analysis.			
		Depends R (>= 3.	2.2)
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NMI			
Index	3		
NMI	Normalized Mutual Information of Community Structure in Network		
Description			
Calculates the ysis.	normalized mutual information (NMI) of two community structures in network anal-		
Usage			
NMI(X,Y)			
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NMI

Arguments

X a data frame or matrix whose first column is the node id and the second column

is module

Y a data frame or matrix whose first column is the node id and the second column

is module

Value

value value of NMI

Examples

```
# Suppose X and Y are exactly the same
X<-data.frame(c(1,2,3),c(2,1,1))
Y<-X
# There NMI is 1
NMI(X,Y)

# Suppose X and Y are completely independent
X<-data.frame(c(1,2,3),c(2,1,1))
Y<-data.frame(c(5,6,7),c(2,1,1))
# There NMI is 0
NMI(X,Y)</pre>
```

Index

NMI, 1