dcSparseMatrix

December 3, 2014

---

dcSparseMatrix   *Function to create a sparse matrix for an input file with three columns*

Description

dcSparseMatrix is supposed to create a sparse matrix for an input file with three columns.

Usage

```
dcSparseMatrix(input.file, verbose = T)
```

Arguments

input.file   an input file containing three columns: 1st column for rows, 2nd for columns, and 3rd for numeric values. Alternatively, the input.file can be a matrix or data frame, assuming that input file has been read. Note: the file should use the tab delimiter as the field separator between columns

verbose   logical to indicate whether the messages will be displayed in the screen. By default, it sets to TRUE for display

Value

a list containing arguments and their default values

Note

This function is potentially useful when debugging. Because the developer does not have to specify default values for all arguments except those arguments are of interest

See Also

[dcAlgoPredictMain](#)

1

Examples

```
# create a sparse matrix of 4 X 2
input.file <- rbind(c(R1,C1,1), c(R2,C1,1), c(R2,C2,1),
c(R3,C2,1), c(R4,C1,1))
res <- dcSparseMatrix(input.file)
res
# get a full matrix
as.matrix(res)
```