

# dcSparseMatrix

December 22, 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](#)

**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)
```