#I WROTE THIS CODE TO REVERSE COLUMNS TO ROWS, REMOVE SOME CHARACTERS AND CONVERT
#THEM INTO A MORE SUITABLE FORM.
IT WILL EASE A PROBLEM THAT IS MOSTLY FACED WITH.

CODE

```
data = read.csv("C:/Users/asus/Desktop/deneme.csv", stringsAsFactors = FALSE)

data= read.csv(file.choose(),stringsAsFactors = FALSE)
#stringsAsFactors = FALSE tells R to keep character variables
#as they are rather than convert to factors

data <- data[-1*which(data[,1] == ""),]

genes <- c()

mpis <- c()

affected <- c()

for (i in 1:dim(data)[1]) {


  for (j in seq(2,32,by=2)) {


    if (j != "") {


      genes <- c(genes, data[i,1])


      mpis <- c(mpis, data[i,j])


      affected <- c(affected, data[i,j+1])
    }
  }
}

#Cleaning
final.data <- data.frame(gene=genes, mpid=mpis, affected=affected)

final.data <- final.data[which(final.data[,3] != "#N/A"),]

final.data <- final.data[which(final.data[,3] != "#NAME?"),]

final.data <- final.data[which(final.data[,3] != "#REF!"),]
```

```
final.data <- final.data[which(final.data[,3] != ""),]

final.data <- final.data[which(final.data[,2] != ""),]

#Make MPI Table

mpi.table <- final.data[,c(2,3)]

write.table(mpi.table,"mpi.table.txt", quote=FALSE, row.names = FALSE, sep = ";")

#make SIF Gene Table

gene.table <- final.data[,c(1,2)]

write.table(gene.table, "gene.table.txt", quote = FALSE, row.names = FALSE, sep = " (af) ",
col.names = FALSE)
```