#############################################################################

Open existing Dataset of all weighting scheme and update each dataset by adding a specific problem with only raw frequency (no weighting scheme).[8 Spoiled GoF Problmes]

##########################################################################

setwd("D:/Experimentjournal/prolemalloacation/GoF\_Problem\_Features\_8")

temp1 = list.files(pattern="\*.csv")

for (i in 1:length(temp1)) assign(temp1[i], read.csv(temp1[i]))

totalfiles1<- length(temp1)

setwd("D:/Experimentjournal/prolemalloacation/GoF\_Problems8")

temp2 = list.files(pattern="\*.csv")

for (i in 1:length(temp2)) assign(temp2[i], read.csv(temp2[i]))

totalfiles2<- length(temp2)

setwd("D:/Experimentjournal/prolemalloacation/GoF")

temp3 = list.files(pattern="\*.csv")

for (i in 1:length(temp3)) assign(temp3[i], read.csv(temp3[i]))

totalfiles3<- length(temp3)

for(temp1\_i in 1: totalfiles1)

{

setwd("D:/Experimentjournal/prolemalloacation/GoF\_Problem\_Features\_8")

Temp1\_Dataset<- read.csv(temp1[temp1\_i],header=TRUE)

setwd("D:/Experimentjournal/prolemalloacation/GoF\_Problems8")

Temp2\_Dataset<- read.csv(temp2[temp1\_i],header=TRUE)

Temp1\_Filename <- paste(substr(temp1[temp1\_i],1, nchar(temp1[temp1\_i])-4))

Rows1 <- nrow(Temp1\_Dataset)

for(temp\_j in 1:Rows1)

{

Cols <- length(na.omit(Temp1\_Dataset [temp\_j,]))

#Features <- as.character(Temp1\_Dataset [temp\_j,5:length(Temp1\_Dataset)])

Features <- Temp1\_Dataset [temp\_j,5:length(Temp1\_Dataset)]

Features <- Features [!is.na(Features)]

Features\_Labels <- paste(toString(Temp1\_Dataset [temp\_j,2]), "\_", toString(Temp1\_Dataset [temp\_j,4]), "\_" ,toString(Temp1\_Dataset [temp\_j,3]),sep="")

Total\_features <- length(Features)

if(length(Features) != 0L)

{

for(temp3\_i in 1: totalfiles3)

{

setwd("D:/Experimentjournal/prolemalloacation/GoF")

Temp3\_Dataset<- read.csv(temp3[temp3\_i],header=TRUE)

Temp3\_Filename <- paste(substr(temp3[temp3\_i],1, nchar(temp3[temp3\_i])-4))

if(strcmp(Features\_Labels, Temp3\_Filename))

{

Total\_features\_temp3 <- length(Temp3\_Dataset)

Features\_temp3 <- names(Temp3\_Dataset[temp3\_i,])

Out <- data.frame(Temp3\_Dataset)

Rows2 <- nrow(Temp3\_Dataset)

Vector <- c(rep(0, Total\_features\_temp3))

Vector[1] <- toString(Temp1\_Filename)

for(i in 1: Total\_features)

{

for(j in 1: Total\_features\_temp3)

{

if(strcmp(as.character(Features[i]), as.character (Features\_temp3 [j])))

{

a<-paste("^",Features[i],"$",sep="")

record <- Temp2\_Dataset[grep(a, Temp2\_Dataset$word),]

Freq <- record[3]

Vector[j] <- Freq

}

}

}

Filename <- paste(Temp1\_Filename,"\_", Temp3\_Filename, ".csv", sep="")

setwd("D:/Experimentjournal/prolemalloacation/dumyresult")

Out <- rbind(Out[1:nrow(Out), ], Vector)

write.csv(Out, Filename)

}

} #temp3\_i

} #for temp\_j

}

} #for temp\_i

#############################################################################

Open existing Dataset of all weighting scheme and update each dataset by adding a specific problem with only raw frequency (no weighting scheme).[23 GoF Problmes]

##########################################################################

setwd("D:/Experimentjournal/prolemalloacation/GoF\_Problem\_Features\_23")

temp1 = list.files(pattern="\*.csv")

for (i in 1:length(temp1)) assign(temp1[i], read.csv(temp1[i]))

totalfiles1<- length(temp1)

setwd("D:/Experimentjournal/prolemalloacation/GoF\_Problems23")

temp2 = list.files(pattern="\*.csv")

for (i in 1:length(temp2)) assign(temp2[i], read.csv(temp2[i]))

totalfiles2<- length(temp2)

setwd("D:/Experimentjournal/prolemalloacation/GoF")

temp3 = list.files(pattern="\*.csv")

for (i in 1:length(temp3)) assign(temp3[i], read.csv(temp3[i]))

totalfiles3<- length(temp3)

for(temp1\_i in 1: totalfiles1)

{

setwd("D:/Experimentjournal/prolemalloacation/GoF\_Problem\_Features\_23")

Temp1\_Dataset<- read.csv(temp1[temp1\_i],header=TRUE)

setwd("D:/Experimentjournal/prolemalloacation/GoF\_Problems23")

Temp2\_Dataset<- read.csv(temp2[temp1\_i],header=TRUE)

Temp1\_Filename <- paste(substr(temp1[temp1\_i],1, nchar(temp1[temp1\_i])-4))

Rows1 <- nrow(Temp1\_Dataset)

for(temp\_j in 1:Rows1)

{

Cols <- length(na.omit(Temp1\_Dataset [temp\_j,]))

#Features <- as.character(Temp1\_Dataset [temp\_j,5:length(Temp1\_Dataset)])

Features <- Temp1\_Dataset [temp\_j,5:length(Temp1\_Dataset)]

Features <- Features [!is.na(Features)]

Features\_Labels <- paste(toString(Temp1\_Dataset [temp\_j,2]), "\_", toString(Temp1\_Dataset [temp\_j,4]), "\_" ,toString(Temp1\_Dataset [temp\_j,3]),sep="")

Total\_features <- length(Features)

if(length(Features) != 0L)

{

for(temp3\_i in 1: totalfiles3)

{

setwd("D:/Experimentjournal/prolemalloacation/GoF")

Temp3\_Dataset<- read.csv(temp3[temp3\_i],header=TRUE)

Temp3\_Filename <- paste(substr(temp3[temp3\_i],1, nchar(temp3[temp3\_i])-4))

if(strcmp(Features\_Labels, Temp3\_Filename))

{

Total\_features\_temp3 <- length(Temp3\_Dataset)

Features\_temp3 <- names(Temp3\_Dataset[temp3\_i,])

Out <- data.frame(Temp3\_Dataset)

Rows2 <- nrow(Temp3\_Dataset)

Vector <- c(rep(0, Total\_features\_temp3))

Vector[1] <- toString(Temp1\_Filename)

for(i in 1: Total\_features)

{

for(j in 1: Total\_features\_temp3)

{

if(strcmp(as.character(Features[i]), as.character (Features\_temp3 [j])))

{

a<-paste("^",Features[i],"$",sep="")

record <- Temp2\_Dataset[grep(a, Temp2\_Dataset$word),]

Freq <- record[3]

Vector[j] <- Freq

}

}

}

Filename <- paste(Temp1\_Filename,"\_", Temp3\_Filename, ".csv", sep="")

setwd("D:/Experimentjournal/prolemalloacation/dumyresult")

Out <- rbind(Out[1:nrow(Out), ], Vector)

write.csv(Out, Filename)

}

} #temp3\_i

} #for temp\_j

}

} #for temp\_i

#############################################################################

Open existing Dataset of all weighting scheme and update each dataset by adding a specific problem with only raw frequency (no weighting scheme).[23 GoF examples]

##########################################################################

setwd("D:/Experimentjournal/prolemalloacation/GoF\_examples\_Features\_23")

temp1 = list.files(pattern="\*.csv")

for (i in 1:length(temp1)) assign(temp1[i], read.csv(temp1[i]))

totalfiles1<- length(temp1)

setwd("D:/Experimentjournal/prolemalloacation/GoF\_Example23")

temp2 = list.files(pattern="\*.csv")

for (i in 1:length(temp2)) assign(temp2[i], read.csv(temp2[i]))

totalfiles2<- length(temp2)

setwd("D:/Experimentjournal/prolemalloacation/GoF")

temp3 = list.files(pattern="\*.csv")

for (i in 1:length(temp3)) assign(temp3[i], read.csv(temp3[i]))

totalfiles3<- length(temp3)

for(temp1\_i in 1: totalfiles1)

{

setwd("D:/Experimentjournal/prolemalloacation/GoF\_examples\_Features\_23")

Temp1\_Dataset<- read.csv(temp1[temp1\_i],header=TRUE)

setwd("D:/Experimentjournal/prolemalloacation/GoF\_Example23")

Temp2\_Dataset<- read.csv(temp2[temp1\_i],header=TRUE)

Temp1\_Filename <- paste(substr(temp1[temp1\_i],1, nchar(temp1[temp1\_i])-4))

Rows1 <- nrow(Temp1\_Dataset)

for(temp\_j in 1:Rows1)

{

Cols <- length(na.omit(Temp1\_Dataset [temp\_j,]))

#Features <- as.character(Temp1\_Dataset [temp\_j,5:length(Temp1\_Dataset)])

Features <- Temp1\_Dataset [temp\_j,5:length(Temp1\_Dataset)]

Features <- Features [!is.na(Features)]

Features\_Labels <- paste(toString(Temp1\_Dataset [temp\_j,2]), "\_", toString(Temp1\_Dataset [temp\_j,4]), "\_" ,toString(Temp1\_Dataset [temp\_j,3]),sep="")

Total\_features <- length(Features)

if(length(Features) != 0L)

{

for(temp3\_i in 1: totalfiles3)

{

setwd("D:/Experimentjournal/prolemalloacation/GoF")

Temp3\_Dataset<- read.csv(temp3[temp3\_i],header=TRUE)

Temp3\_Filename <- paste(substr(temp3[temp3\_i],1, nchar(temp3[temp3\_i])-4))

if(strcmp(Features\_Labels, Temp3\_Filename))

{

Total\_features\_temp3 <- length(Temp3\_Dataset)

Features\_temp3 <- names(Temp3\_Dataset[temp3\_i,])

Out <- data.frame(Temp3\_Dataset)

Rows2 <- nrow(Temp3\_Dataset)

Vector <- c(rep(0, Total\_features\_temp3))

Vector[1] <- toString(Temp1\_Filename)

for(i in 1: Total\_features)

{

for(j in 1: Total\_features\_temp3)

{

if(strcmp(as.character(Features[i]), as.character (Features\_temp3 [j])))

{

a<-paste("^",Features[i],"$",sep="")

record <- Temp2\_Dataset[grep(a, Temp2\_Dataset$word),]

Freq <- record[3]

Vector[j] <- Freq

}

}

}

Filename <- paste(Temp1\_Filename,"\_", Temp3\_Filename, ".csv", sep="")

setwd("D:/Experimentjournal/prolemalloacation/dumyresult")

Out <- rbind(Out[1:nrow(Out), ], Vector)

write.csv(Out, Filename)

}

} #temp3\_i

} #for temp\_j

}

} #for temp\_i

#############################################################################

Open existing Dataset of all weighting scheme and update each dataset by adding a specific problem with only raw frequency (no weighting scheme).[23 GoF examples]

##########################################################################

setwd("D:/Experimentjournal/prolemalloacation/Security\_Problems\_Features\_49")

temp1 = list.files(pattern="\*.csv")

for (i in 1:length(temp1)) assign(temp1[i], read.csv(temp1[i]))

totalfiles1<- length(temp1)

setwd("D:/Experimentjournal/prolemalloacation/Security\_Problem49")

temp2 = list.files(pattern="\*.csv")

for (i in 1:length(temp2)) assign(temp2[i], read.csv(temp2[i]))

totalfiles2<- length(temp2)

setwd("D:/Experimentjournal/prolemalloacation/Security")

temp3 = list.files(pattern="\*.csv")

for (i in 1:length(temp3)) assign(temp3[i], read.csv(temp3[i]))

totalfiles3<- length(temp3)

for(temp1\_i in 1: totalfiles1)

{

setwd("D:/Experimentjournal/prolemalloacation/Security\_Problems\_Features\_49")

Temp1\_Dataset<- read.csv(temp1[temp1\_i],header=TRUE)

setwd("D:/Experimentjournal/prolemalloacation/Security\_Problem49")

Temp2\_Dataset<- read.csv(temp2[temp1\_i],header=TRUE)

Temp1\_Filename <- paste(substr(temp1[temp1\_i],1, nchar(temp1[temp1\_i])-4))

Rows1 <- nrow(Temp1\_Dataset)

for(temp\_j in 1:Rows1)

{

Cols <- length(na.omit(Temp1\_Dataset [temp\_j,]))

#Features <- as.character(Temp1\_Dataset [temp\_j,5:length(Temp1\_Dataset)])

Features <- Temp1\_Dataset [temp\_j,5:length(Temp1\_Dataset)]

Features <- Features [!is.na(Features)]

Features\_Labels <- paste(toString(Temp1\_Dataset [temp\_j,2]), "\_", toString(Temp1\_Dataset [temp\_j,4]), "\_" ,toString(Temp1\_Dataset [temp\_j,3]),sep="")

Total\_features <- length(Features)

if(length(Features) != 0L)

{

for(temp3\_i in 1: totalfiles3)

{

setwd("D:/Experimentjournal/prolemalloacation/Security")

Temp3\_Dataset<- read.csv(temp3[temp3\_i],header=TRUE)

Temp3\_Filename <- paste(substr(temp3[temp3\_i],1, nchar(temp3[temp3\_i])-4))

if(strcmp(Features\_Labels, Temp3\_Filename))

{

Total\_features\_temp3 <- length(Temp3\_Dataset)

Features\_temp3 <- names(Temp3\_Dataset[temp3\_i,])

Out <- data.frame(Temp3\_Dataset)

Rows2 <- nrow(Temp3\_Dataset)

Vector <- c(rep(0, Total\_features\_temp3))

Vector[1] <- toString(Temp1\_Filename)

for(i in 1: Total\_features)

{

for(j in 1: Total\_features\_temp3)

{

if(strcmp(as.character(Features[i]), as.character (Features\_temp3 [j])))

{

a<-paste("^",Features[i],"$",sep="")

record <- Temp2\_Dataset[grep(a, Temp2\_Dataset$word),]

Freq <- record[3]

Vector[j] <- Freq

}

}

}

Filename <- paste(Temp1\_Filename,"\_", Temp3\_Filename, ".csv", sep="")

setwd("D:/Experimentjournal/prolemalloacation/dumyresult")

Out <- rbind(Out[1:nrow(Out), ], Vector)

write.csv(Out, Filename)

}

} #temp3\_i

} #for temp\_j

}

} #for temp\_i

#############################################################################

#############################################################################

Open existing Dataset of all weighting scheme and update each dataset by adding a specific problem.

##########################################################################

setwd("D:/Experimentjournal/prolemalloacation/GoF\_Problem\_Features\_8")

temp1 = list.files(pattern="\*.csv")

for (i in 1:length(temp1)) assign(temp1[i], read.csv(temp1[i]))

totalfiles1<- length(temp1)

setwd("D:/Experimentjournal/prolemalloacation/GoF\_Problems8")

temp2 = list.files(pattern="\*.csv")

for (i in 1:length(temp2)) assign(temp2[i], read.csv(temp2[i]))

totalfiles2<- length(temp2)

setwd("D:/Experimentjournal/prolemalloacation/GoF")

temp3 = list.files(pattern="\*.csv")

for (i in 1:length(temp3)) assign(temp3[i], read.csv(temp3[i]))

totalfiles3<- length(temp3)

for(temp1\_i in 1: totalfiles1)

{

setwd("D:/Experimentjournal/prolemalloacation/GoF\_Problem\_Features\_8")

Temp1\_Dataset<- read.csv(temp1[temp1\_i],header=TRUE)

setwd("D:/Experimentjournal/prolemalloacation/GoF\_Problems8")

Temp2\_Dataset<- read.csv(temp2[temp1\_i],header=TRUE)

Temp1\_Filename <- paste(substr(temp1[temp1\_i],1, nchar(temp1[temp1\_i])-4))

Rows1 <- nrow(Temp1\_Dataset)

for(temp\_j in 1:Rows1)

{

Cols <- length(na.omit(Temp1\_Dataset [temp\_j,]))

Features <- Temp1\_Dataset [i,5:length(Temp1\_Dataset)]

Features <- Features [!is.na(Features)]

Features\_Labels <- paste(toString(Temp1\_Dataset [temp\_j,2]), "\_", toString(Temp1\_Dataset [temp\_j,4]), "\_" ,toString(Temp1\_Dataset [temp\_j,3]),sep="")

Weight <- toString(Temp1\_Dataset [temp\_j,4])

Total\_features <- length(Features)

for(temp3\_i in 1: totalfiles3)

{

setwd("D:/Experimentjournal/prolemalloacation/GoF")

Temp3\_Dataset<- read.csv(temp3[temp3\_i],header=TRUE)

Temp3\_Filename <- paste(substr(temp3[temp3\_i],1, nchar(temp3[temp3\_i])-4))

print(Features\_Labels)

print(Temp3\_Filename)

if(strcmp(Features\_Labels, Temp3\_Filename))

{

print("welcome")

Total\_features\_temp3 <- length(Temp3\_Dataset)

Features\_temp3 <- names(Temp3\_Dataset[temp3\_i,])

#Out <- matrix(NA, nrow= 2, ncol= Total\_features)

#colnames(Out) <- Features

Out <- data.frame(Temp3\_Dataset)

Rows2 <- nrow(Temp3\_Dataset)

Vector <- c(rep(0, Total\_features\_temp3))

Vector[1] <- toString(Temp1\_Filename)

for(i in 1: Total\_features)

{

for(j in 1: Total\_features\_temp3)

{

if(strcmp(Features[i], Features\_temp3 [j]))

{

record <- Temp2\_Dataset[Temp2\_Dataset$word == Features[i],]

Freq <- record[3]

Vector[j] <- Freq

}

}

}

######################

If(strcmp(wight, "Binary"))

{

}

else if ((strcmp(wight, "Entropy"))

{

}

else if ((strcmp(wight, "LTC"))

{

}

else if ((strcmp(wight, "TFC"))

{

}

else if ((strcmp(wight, "TFIDF"))

{

Tf <- Freq

idf<-log(nrow(Vector)/colSums(Vector))

tfidf <- Tf\*idf

}

###################

Filename <- paste(Temp1\_Filename,"\_", Temp3\_Filename, ".csv", sep="")

setwd("D:/Experimentjournal/prolemalloacation/dumyresult")

Out <- rbind(Out[1:nrow(Out), ], Vector)

write.csv(Out, Filename)

}

} #temp3\_i

} #for temp\_j

} #for temp\_i