```r
getwd()
setwd("répertoire courant")
getwd()

donnees <- read.table("Salaire_conso.txt",sep="\t",dec=",",header=T)
#####
I=donnees$ID_PER_PP
S=donnees$classif_salaire
Sex=donnees$CO_SEX_PER
effS=matrix(0,nrow=1,ncol=10)

for (i in 1:10){
    ind=(S==levels(S)[i])
    effS[i]=length(unique(I[ind]))
}

TeffS=data.frame(effS)
colnames(TeffS)=c("S1","S2","S3","S4","S5","S6","S7","S8","S9","S10")
library(xlsx)
write.xlsx(TeffS, file="TeffS.xlsx",row.names=F)
##
effSexS=matrix(0,nrow=2,ncol=10)
for (i in 1:10){
    ind=(S==levels(S)[i])
    indf=(Sex[ind]=="F")
    indm=(Sex[ind]=="M")
    effSexS[1,i]=length(unique(I[ind][indf]))
    effSexS[2,i]=length(unique(I[ind][indm]))
}

TeffSexS=data.frame(effSexS)
colnames(TeffSexS)=c("S1","S2","S3","S4","S5","S6","S7","S8","S9","S10")
rownames(TeffSexS)=c("F","M")
library(xlsx)
write.xlsx(TeffSexS, file="TeffSexS.xlsx")
##
barplot(effS)
barplot(effSexS)
barplot(effSexS,beside=T,legend.text=c("F","M"), args.legend=list(x="top"))
#####
```

```
P=donnees$Poste_Compte
R=donnees$SUM_of_MTF_REELS
TPS=matrix(0,nrow=14,ncol=10) ## frais reels

for (i in 1:10){
  ind1=(S==levels(S)[i])
  for (j in 1:14){
    ind2=(P[ind1]==levels(P)[j])
    TPS[j,i]=sum(R[ind1][ind2])
  }
}

x=data.frame(TPS)
rownames(x)=c
 ("AUT","AUP","AUX","BIO","COV","CUR","HOS","MAT","OPT","PHA","PRD","RAD"
 ,"DEN","TRA")
colnames(x)=c("S1","S2","S3","S4","S5","S6","S7","S8","S9","S10")
write.xlsx(x, file="Salaire_Poste_frais.xlsx")
```