Exercise5 output

> adcutoff<-data.frame(c(datsch[,1:3]))

> new9<-adcutoff[order(adcutoff[,3]),]

>

>

> decile1<-data.frame(c(new9[1:230,],group=rep(1,1)))

> decile2<-data.frame(c(new9[231:460,],group=rep(2,1)))

> decile3<-data.frame(c(new9[461:690,],group=rep(3,1)))

> decile4<-data.frame(c(new9[691:920,],group=rep(4,1)))

> decile5<-data.frame(c(new9[921:1150,],group=rep(5,1)))

> decile6<-data.frame(c(new9[1151:1380,],group=rep(6,1)))

> decile7<-data.frame(c(new9[1381:1610,],group=rep(7,1)))

> decile8<-data.frame(c(new9[1611:1840,],group=rep(8,1)))

> decile9<-data.frame(c(new9[1841:2070,],group=rep(9,1)))

> decile10<-data.frame(c(new9[2071:2300,],group=rep(10,1)))

> decile<-rbind(decile1,decile2,decile3,decile4,decile5,decile6,decile7,decile8,decile9,decile10)

> colnames(decile)<-c("code","pgm","cutoff","group")

> decile$code<-gsub(" ","",decile$code)

> decile$pgm<-gsub(" ","",decile$pgm)

> # Omit "" before the program name

> code<-as.data.frame(as.numeric(as.vector(as.matrix(datstu[,5:10]))))

> pgm<-as.vector(as.matrix(datstu[,11:16]))

> id<-as.vector(rep(1:340823,6))

> stuchoice<-data.frame(cbind(code,pgm,id))

> stuchoice[stuchoice==""]<-NA

> stuchoice<-stuchoice[complete.cases(stuchoice),]#Omit the NA values

> colnames(stuchoice)<-c("code","pgm","id")

> stuchoice$code<-gsub(" ","",stuchoice$code)

> stuchoice$pgm<-gsub(" ","",stuchoice$pgm)

> # Omit "" before the program name

> stuchoice\_new<-merge(stuchoice,decile,by=c("code","pgm"),all.x = TRUE)

> # Generate a dataframe with id and group numbers of cutoff.

> zz<-data.frame(stuchoice\_new[,c(3,5)])

> zz<-zz[complete.cases(zz),]

> zz1<-unique(zz)

> zz2<-as.data.frame(table(zz1[,1]))

> #Complete the exercise5.1

>

>

> adquality<-data.frame(datsch[,c(1,2,4)])

> new10<-adquality[order(adcutoff[,3]),]

> quan1<-data.frame(c(new10[1:575,],group=rep(1,1)))

> quan2<-data.frame(c(new10[576:1150,],group=rep(2,1)))

> quan3<-data.frame(c(new10[1151:1752,],group=rep(3,1)))

> quan4<-data.frame(c(new10[1753:2300,],group=rep(4,1)))

> quan<-rbind(quan1,quan2,quan3,quan4)

> colnames(quan)<-c("code","pgm","quality","group")

> quan$code<-gsub(" ","",quan$code)

> quan$pgm<-gsub(" ","",quan$pgm)

> stuchoice$code<-gsub(" ","",stuchoice$code)

> stuchoice$pgm<-gsub(" ","",stuchoice$pgm)

> quan\_new<-merge(stuchoice,quan,by=c("code","pgm"),all.x = TRUE)

> # Generate a dataframe with id and group numbers of quality.

> yy<-data.frame(quan\_new[,c(3,5)])

> yy<-yy[complete.cases(yy),]

> yy1<-unique(yy)

> yy2<-as.data.frame(table(yy1[,1]))

> #Complete the exercise5.2