

```

dat<-read.table(file="pop.csv",header=T)
head(dat,5)

##      t ID      z      bvs      C s ARS age p1 p2 phi
## 1 1 2 11.61 0.8402 249 M 0 1 NA NA 1
## 2 1 3 13.14 1.0114 587 F 26 1 NA NA 1
## 3 1 4 13.71 0.2694 2427 M 0 1 NA NA 1
## 4 1 5 10.88 -0.9088 89 F 5 1 NA NA 1
## 5 1 8 10.94 0.2045 85 F 7 1 NA NA 1

which(!(min(dat$ID):max(dat$ID)%in%dat$ID))

## integer(0)

```

```

dat2<-subset(dat,phi==1)
dat2<-dat2[,c("ID","t","z")]
library('reshape')

## Loading required package: plyr
##
## Attaching package: 'reshape'
##
## The following objects are masked from 'package:plyr':
##
##      rename, round_any

par(mar=c(6,6,2,2))
dat3<-reshape(dat2, idvar = "ID", timevar = "t", direction = "wide")
for(i in 2:(ncol(dat3)-2)){
  plot(dat3[,i],dat3[,i+1],main=paste("Year",i-1),xlab=paste("z(",i-1,")",sep=""),ylab=paste("Year",i-1))
}
temp<-dat[,-c("t","z")]

## Error: invalid argument to unary operator

temp<-temp[!duplicated(temp),]

## Error: object 'temp' not found

dat4<-merge(dat3,temp,by="ID")

## Error: object 'temp' not found

dat4

## Error: object 'dat4' not found

```



