#install.packages("plspm")

library(plspm)

data <- read.table("1.txt", header = TRUE)

inner\_model <- matrix(c(

0,0,0,0,0, #"YC"

1,0,0,0,0, #"SP"

1,1,0,0,0, #"DMA"

1,1,1,0,0, #"GP"

1,1,1,1,0 #"Y"

),nrow = 5, ncol=5, byrow = TRUE)

colnames(inner\_model)<-rownames(inner\_model)<-c("YC","SP","DMA","GP","Y")

outer\_model=list(1:2,3:4,5:10,11:13,14)

modes<-c("A","A","A","A","A")

pls\_model<-plspm(data,inner\_model,outer\_model, modes)

plot(pls\_model,what="loadings",arr.width=0.1,show.values = TRUE,lcol='gray')

summary(pls\_model)

plot(pls\_model,what="weight",

arr.width=0.1,

colpos="firebrick1",

colneg="darkgreen",

show.values=TRUE,

lcol="black")

pls\_model$path\_coefs

pls\_model$inner\_model

pls\_model$gof

pls\_model$inner\_summary