

```

require(pcalg)
source("kci.R")

dat <- read.csv(file="moms201711-1.csv", na.string=c("NA"))
labs <- names(dat)

alpha <- 0.05
moms.skel05 <- skeleton(dat, indepTest = kciMix, labels=labs, NAdelete = TRUE,
                        alpha=alpha, verbose=TRUE)
save(moms.skel05, file = "momsSkelOutputMix.RData")

alpha <- 0.01
moms.skel01 <- skeleton(dat, indepTest = kciMix, labels=labs, NAdelete = TRUE,
                        alpha=alpha, verbose=TRUE)
save(moms.skel05, moms.skel01, file = "momsSkelOutputMix.RData")

g05 <- moms.skel05@graph
g01 <- moms.skel01@graph

edgeList <- function(graph){
  el <- showEdgeList(graph)
  out <- data.frame(graph@nodes[el$undir[,1]], graph@nodes[el$undir[,2]])
  names(out) <- c("from", "to")
  out
}

edgeList01 <- data.frame(edgeList(g01), in01 = 1)
edgeList05 <- data.frame(edgeList(g05), in05 = 1)
elAll <- merge(edgeList01, edgeList05, by = c("from", "to"), all=TRUE)
names(elAll) <- c("var1", "var2", "in01", "in05")

#elAll$var1[which(elAll$var1 %in% c("White", "Black", "Other_race"))] <- "Race"
#elAll$var2[which(elAll$var2 %in% c("White", "Black", "Other_race"))] <- "Race"
#racerace <- which(elAll$var1 == "Race" & elAll$var2 == "Race")
#write.table(elAll[-racerace,], row.names = FALSE, file = "momsKciMixInt.txt", quote
= #FALSE)

```