library(cna)

# Rename filepath in command below to point to where R can find the file on your computer

HK <- read.csv("C:/Users/Edward Miech/Documents/R\_Work/BMCPublicHealthData\_JRich.csv")

names(HK)

[1] "CaseID" "no\_healthins" "NoHlthInsMV2" "NoHlth\_1\_LowTer"

[5] "NoHlth\_1\_HighTer" "pct\_college" "CollegeMV2" "Coll\_1\_LowTer"

[9] "Coll\_1\_HighTer" "pct\_transit" "TransitMV2" "Trans\_1\_LowTer"

[13] "Trans\_1\_HighTer" "pct\_service" "Serv\_Ter" "Serv\_1\_LowTer"

[17] "Serv\_1\_HighTer" "pct\_overcrowded1" "OverCr\_Ter" "OcerCr\_1\_Low"

[21] "OverCr\_1\_High" "limited\_engl" "LimEnglMV2" "LimEng\_1\_LowTer"

[25] "LimEng\_1\_HighTer" "ICE\_blacknh" "ICE\_BlkNH\_MV2" "ICEBLK\_1\_HighTer"

[29] "ICEBLK\_1\_LowTer" "ICE\_inc" "ICE.incMV2" "ICEInc\_1\_LowTer"

[33] "ICEinc\_1\_HighTer" "March18\_Rate" "MarchRateMV" "April18\_Rate"

[37] "AprilRateMV" "May18\_Rate" "MayRateMV" "PersistentlyLow"

[41] "NotPersistentlyLow"

# Persistently\_Low Model

SA <- HK[, c(8,28,40)]

names(SA)

[1] "Coll\_1\_LowTer" "ICEBLK\_1\_HighTer" "PersistentlyLow"

TK <- cna(SA,

con = .9, cov = .80,

strict=T, maxstep=c(7,7,20))

TK

--- Coincidence Analysis (CNA) ---

Factors: COLL\_1\_LOWTER, ICEBLK\_1\_HIGHTER, PERSISTENTLYLOW

Atomic solution formulas:

-------------------------

Outcome PERSISTENTLYLOW:

solution consistency coverage complexity inus

COLL\_1\_LOWTER\*iceblk\_1\_highter <- PERSISTENTLYLOW 0.917 0.846 2 TRUE

Complex solution formulas:

--------------------------

Same as asf

# NOT\_Persistently\_Low Model

SA <- HK[, c(8,28,41)]

names(SA)

[1] "Coll\_1\_LowTer" "ICEBLK\_1\_HighTer" "NotPersistentlyLow"

TK <- cna(SA,

con = .9, cov = .95,

strict=T, maxstep=c(7,7,20))

TK

--- Coincidence Analysis (CNA) ---

Factors: COLL\_1\_LOWTER, ICEBLK\_1\_HIGHTER, NOTPERSISTENTLYLOW

Atomic solution formulas:

-------------------------

Outcome NOTPERSISTENTLYLOW:

solution consistency coverage complexity inus

coll\_1\_lowter + ICEBLK\_1\_HIGHTER <- NOTPERSISTENTLYLOW 0.933 0.966 2 TRUE

Complex solution formulas:

--------------------------

Same as asf