library(tidyverse)

library(readxl)

library(rel)

SCORECARD <- read\_excel("binary\_checklist.xlsx",na="-")

SCORECARD <- transmute\_all(SCORECARD,as.integer)

RESULT <- NULL

for (i in 1:20) {

 SCORE <- select(SCORECARD,starts\_with(paste(i,"\_",sep="")))

 gwet <- gac(data=SCORE, kat=2, weight="unweighted", conf.level=0.95)

RESULT <- bind\_rows(RESULT, c(i, gwet$est, gwet$lb, gwet$ub))}

colnames(RESULT) <- c("ITEM","GWET\_AC1","CI95\_LOW","CI95\_HIGH")

write\_csv(RESULT,"dicotomous.csv")