#extracting FIES 2003

cspro.factor.type = 1

cspro.factor.create.new.variable = FALSE

# CSPro Export Factor Options:

# cspro.factor.type (0): do not use factors

# cspro.factor.type (1): factor only discrete numeric variables

# cspro.factor.type (2): factor both discrete numeric and alpha variables

# cspro.factor.create.new.variable: TRUE to add the factored variables as separate variables

f2k3vars <- read.fortran("D:/Users/Erwin/OneDrive - University of the Philippines/CSWCD/SD/SD 400/Dataset/FIES/FIES2003/Data/f2k3vars.dat",c("I2","A20","A5","A2","F4","F11","I1","I2","I1","I2","I1","I1","I2","I1","I1","I2","I2","I2","I1","I1","I1","I1","I1","I1","I9","I9","I1","I1","I1","I2","I2","I2","I2","I2","I2","I2","I2","I2","I2","I2","I2","I9","I7","I7","I6","I7","I7","I7","I7","I7","I7","I7","I7","I9","I7","I7","I7","I9","I9","I2","I2","I2","I2"))

names(f2k3vars) <- c("regn","w\_id","stratum","rlineno","fsize","fwgt","z2011\_h\_sex","z2021\_h\_age","z2031\_h\_ms","z2041\_h\_educ","z2051\_h\_has\_job","z2061\_h\_occup\_1","z2071\_h\_kb\_2","z2081\_h\_cw","z2091\_hhld\_type","z2101\_tot\_mem","z2161\_m\_tot\_nrel","z2171\_m\_tot\_emp","z2181\_wife\_emp","b4011\_bldg\_type","b4021\_roof","b4031\_walls","b4041\_tenure","b4042\_tenure\_ind","b4043\_house\_rent","b4053\_lot\_rent","b5021\_toilet","b5031\_electric","b5041\_water","b5052\_n\_radio","b5062\_n\_tv","b5092\_n\_ref","b5102\_n\_wash","b5112\_n\_aircon","b5122\_n\_salaset","b5132\_n\_dining","b5142\_n\_car","b5152\_n\_phone","b5162\_n\_pc","b5172\_n\_oven","b5182\_n\_motor","totex","food","fhome","albev","knfood","tbcco","trcom","cloth","educ","rcrtn","medic","acrnt","toinc","pnsns","dvdnd","ifams","eainc","ea\_loss","natdc","regdc","natpc","regpc")

if( cspro.factor.type != 0 ) {

if( cspro.factor.create.new.variable ) {

f2k3vars$regn.f <- factor(f2k3vars$regn,levels = c(13,14,1,2,3,41,42,5,6,7,8,9,10,11,12,16,15),labels = c("NCR","CAR","Region I - Ilocos Region","Region II - Cagayan Valley","Region III - Central Luzon","Region IVA - CALABARZON","Region IVB - MIMAROPA","Region V- Bicol","Region VI - Western Visayas","Region VII - Central Visayas","Region VIII - Eastern Visayas","Region IX - Zamboanga Peninsula","Region X - Northern Mindanao","Region XI - Davao","Region XII - SOCCSKSARGEN","Region XIII - Caraga","Autonomous Region in Muslim Mindanao"))

} else {

f2k3vars$regn <- factor(f2k3vars$regn,levels = c(13,14,1,2,3,41,42,5,6,7,8,9,10,11,12,16,15),labels = c("NCR","CAR","Region I - Ilocos Region","Region II - Cagayan Valley","Region III - Central Luzon","Region IVA - CALABARZON","Region IVB - MIMAROPA","Region V- Bicol","Region VI - Western Visayas","Region VII - Central Visayas","Region VIII - Eastern Visayas","Region IX - Zamboanga Peninsula","Region X - Northern Mindanao","Region XI - Davao","Region XII - SOCCSKSARGEN","Region XIII - Caraga","Autonomous Region in Muslim Mindanao"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$z2011\_h\_sex.f <- factor(f2k3vars$z2011\_h\_sex,levels = c(1,2),labels = c("Male","Female"))

} else {

f2k3vars$z2011\_h\_sex <- factor(f2k3vars$z2011\_h\_sex,levels = c(1,2),labels = c("Male","Female"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$z2031\_h\_ms.f <- factor(f2k3vars$z2031\_h\_ms,levels = c(1,2,3,4,5),labels = c("Single","Married","Widowed","Divorced/Separated","Unknown"))

} else {

f2k3vars$z2031\_h\_ms <- factor(f2k3vars$z2031\_h\_ms,levels = c(1,2,3,4,5),labels = c("Single","Married","Widowed","Divorced/Separated","Unknown"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$z2041\_h\_educ.f <- factor(f2k3vars$z2041\_h\_educ,levels = c(0,1,2,3,4,5,60,61,62,63,64,65,66,67,68,70,71,72,73,74,75,76,78),labels = c("No Grade Completed","Elementary Undergraduate","Elementary Graduate","High School Undergraduate","High School Graduate","College Undergraduate","Bachelor of Arts/Science in General Programs","B.A./B.S. in Programs in Eduaction Science and Teacher Training/Fine and Applied Program","B.A./B.S. in Humanities Programs/Religion and Theology Programs","B.A./B.S. in Social and Behavioral Science Prog/Bus. Ad & Related Programs/Law and Jurisprudence Prog","B.S. in Natural Science Programs/Mathematics and Computer Science Prog","B.S. in Med. Incl. Doc. of Med., Dental Med., Opto./Trade, Craft & Ind. Prog./Eng. Prog./Arch. & Town Plan. Prog.","B.S. in Agric'l, Forestry, and Fisheries Prog. Including Doc. of Vet. Med./Home Economic Programs","B.S. in Service Trades Programs","B.A. in Mass Comm. & Doc./Other Prog. of Educ. at 3rd Level, 1st Stage Leads 1st Univ. Deg.","Post Grad, M.A/M.S./PhD in General Programs","Post Grad, Prof. Dip./Cert./Masteral/PhD. in Educ. Sci. & Teacher Training/Fine & Applied Arts Prog.","Post Grad, Diploma/Masteral/Doctorate in Humanities Prog./Religion and Theology Programs","Post Grad, Prof. Dip./Cert./Masteral./Doct. in Social & Behavioral Sci. /Bus. Ad. & Rel. Prog./Law & Juris. Prog","Post Grad, Cert./Dip./M.S./PhD. in Natural Science/Math & Computer Science Programs","Post Grad, Dip./M.S./PhD. in Med. & Allied Prog./Eng'g Prog./Architectural & Town Planning Prog.","Post Grad, Dip./M.S./PhD. IN Agricl, Forestry, & Fish. Prog./Home Eco.(Domestic Sci.) Programs","Post Grad, Dip./M.A./PhD. in Mass Comm. & Doc./Educ Prog at 3rd Level, 2nd Stage Leading to Post Graduate"))

} else {

f2k3vars$z2041\_h\_educ <- factor(f2k3vars$z2041\_h\_educ,levels = c(0,1,2,3,4,5,60,61,62,63,64,65,66,67,68,70,71,72,73,74,75,76,78),labels = c("No Grade Completed","Elementary Undergraduate","Elementary Graduate","High School Undergraduate","High School Graduate","College Undergraduate","Bachelor of Arts/Science in General Programs","B.A./B.S. in Programs in Eduaction Science and Teacher Training/Fine and Applied Program","B.A./B.S. in Humanities Programs/Religion and Theology Programs","B.A./B.S. in Social and Behavioral Science Prog/Bus. Ad & Related Programs/Law and Jurisprudence Prog","B.S. in Natural Science Programs/Mathematics and Computer Science Prog","B.S. in Med. Incl. Doc. of Med., Dental Med., Opto./Trade, Craft & Ind. Prog./Eng. Prog./Arch. & Town Plan. Prog.","B.S. in Agric'l, Forestry, and Fisheries Prog. Including Doc. of Vet. Med./Home Economic Programs","B.S. in Service Trades Programs","B.A. in Mass Comm. & Doc./Other Prog. of Educ. at 3rd Level, 1st Stage Leads 1st Univ. Deg.","Post Grad, M.A/M.S./PhD in General Programs","Post Grad, Prof. Dip./Cert./Masteral/PhD. in Educ. Sci. & Teacher Training/Fine & Applied Arts Prog.","Post Grad, Diploma/Masteral/Doctorate in Humanities Prog./Religion and Theology Programs","Post Grad, Prof. Dip./Cert./Masteral./Doct. in Social & Behavioral Sci. /Bus. Ad. & Rel. Prog./Law & Juris. Prog","Post Grad, Cert./Dip./M.S./PhD. in Natural Science/Math & Computer Science Programs","Post Grad, Dip./M.S./PhD. in Med. & Allied Prog./Eng'g Prog./Architectural & Town Planning Prog.","Post Grad, Dip./M.S./PhD. IN Agricl, Forestry, & Fish. Prog./Home Eco.(Domestic Sci.) Programs","Post Grad, Dip./M.A./PhD. in Mass Comm. & Doc./Educ Prog at 3rd Level, 2nd Stage Leading to Post Graduate"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$z2051\_h\_has\_job.f <- factor(f2k3vars$z2051\_h\_has\_job,levels = c(1,2),labels = c("With Job/Business","No Job/Business"))

} else {

f2k3vars$z2051\_h\_has\_job <- factor(f2k3vars$z2051\_h\_has\_job,levels = c(1,2),labels = c("With Job/Business","No Job/Business"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$z2061\_h\_occup\_1.f <- factor(f2k3vars$z2061\_h\_occup\_1,levels = c(1,2,3,4,5,6,7,8,9,0),labels = c("Officials of Government and Special-Interest Organizations, Corporate Executives, Managers, Managing Proprietors and Supervisors","Professionals","Technicians and Associate Professionals","Clerks","Service Workers and Shop and Market Sales Workers","Farmers, Forestry Workers and Fishermen","Trades and Related Workers","Plant and Machine Operators and Assemblers","Laborers and Unskilled Workers","Special Occupations"))

} else {

f2k3vars$z2061\_h\_occup\_1 <- factor(f2k3vars$z2061\_h\_occup\_1,levels = c(1,2,3,4,5,6,7,8,9,0),labels = c("Officials of Government and Special-Interest Organizations, Corporate Executives, Managers, Managing Proprietors and Supervisors","Professionals","Technicians and Associate Professionals","Clerks","Service Workers and Shop and Market Sales Workers","Farmers, Forestry Workers and Fishermen","Trades and Related Workers","Plant and Machine Operators and Assemblers","Laborers and Unskilled Workers","Special Occupations"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$z2081\_h\_cw.f <- factor(f2k3vars$z2081\_h\_cw,levels = c(0,1,2,3,4,5,6),labels = c("Worked for private household","Worked for private establishment","Worked for government/government corporation","Self-employed wihout any employee","Employer in own family-operated farm or business","Worked with pay in own family-operated farm or business","Worked without pay in own family-operated farm or business"))

} else {

f2k3vars$z2081\_h\_cw <- factor(f2k3vars$z2081\_h\_cw,levels = c(0,1,2,3,4,5,6),labels = c("Worked for private household","Worked for private establishment","Worked for government/government corporation","Self-employed wihout any employee","Employer in own family-operated farm or business","Worked with pay in own family-operated farm or business","Worked without pay in own family-operated farm or business"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$z2091\_hhld\_type.f <- factor(f2k3vars$z2091\_hhld\_type,levels = c(1,2,3),labels = c("Single Family","Extended Family","Two or more nonrelated persons members"))

} else {

f2k3vars$z2091\_hhld\_type <- factor(f2k3vars$z2091\_hhld\_type,levels = c(1,2,3),labels = c("Single Family","Extended Family","Two or more nonrelated persons members"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$z2181\_wife\_emp.f <- factor(f2k3vars$z2181\_wife\_emp,levels = c(1,2),labels = c("Employed","Not employed"))

} else {

f2k3vars$z2181\_wife\_emp <- factor(f2k3vars$z2181\_wife\_emp,levels = c(1,2),labels = c("Employed","Not employed"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$b4011\_bldg\_type.f <- factor(f2k3vars$b4011\_bldg\_type,levels = c(1,2,3,4,5),labels = c("Single house","Duplex","Apartment/accessoria/condo/townhouse","Commercial/industrial/agricultural building/house","other building unit (e.g. cave, boat)"))

} else {

f2k3vars$b4011\_bldg\_type <- factor(f2k3vars$b4011\_bldg\_type,levels = c(1,2,3,4,5),labels = c("Single house","Duplex","Apartment/accessoria/condo/townhouse","Commercial/industrial/agricultural building/house","other building unit (e.g. cave, boat)"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$b4021\_roof.f <- factor(f2k3vars$b4021\_roof,levels = c(1,2,3,4,5,6),labels = c("Strong material(galvanized,iron,al,tile,concrete,brick,stone,asbestos)","Light material (cogon,nipa,anahaw)","Salvaged/makeshift materials","Mixed but predominantly strong materials","Mixed but predominantly light materials","Mixed but predominantly salvaged materials"))

} else {

f2k3vars$b4021\_roof <- factor(f2k3vars$b4021\_roof,levels = c(1,2,3,4,5,6),labels = c("Strong material(galvanized,iron,al,tile,concrete,brick,stone,asbestos)","Light material (cogon,nipa,anahaw)","Salvaged/makeshift materials","Mixed but predominantly strong materials","Mixed but predominantly light materials","Mixed but predominantly salvaged materials"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$b4031\_walls.f <- factor(f2k3vars$b4031\_walls,levels = c(1,2,3,4,5,6),labels = c("Strong material(galvanized,iron,al,tile,concrete,brick,stone,asbestos)","Light material (cogon,nipa,anahaw)","Salvaged/makeshift materials","Mixed but predominantly strong materials","Mixed but predominantly light materials","Mixed but predominantly salvaged materials"))

} else {

f2k3vars$b4031\_walls <- factor(f2k3vars$b4031\_walls,levels = c(1,2,3,4,5,6),labels = c("Strong material(galvanized,iron,al,tile,concrete,brick,stone,asbestos)","Light material (cogon,nipa,anahaw)","Salvaged/makeshift materials","Mixed but predominantly strong materials","Mixed but predominantly light materials","Mixed but predominantly salvaged materials"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$b4041\_tenure.f <- factor(f2k3vars$b4041\_tenure,levels = c(1,2,3,4,5,6,7),labels = c("Own or owner-like possession of house and lot","Rent house/room including lot","Own house, rent lot","Own house, rent-free lot with consent of owner","Own house, rent-free lot without consent of owner","Rent-free house and lot with consent of owner","Rent-free house and lot without consent of owner"))

} else {

f2k3vars$b4041\_tenure <- factor(f2k3vars$b4041\_tenure,levels = c(1,2,3,4,5,6,7),labels = c("Own or owner-like possession of house and lot","Rent house/room including lot","Own house, rent lot","Own house, rent-free lot with consent of owner","Own house, rent-free lot without consent of owner","Rent-free house and lot with consent of owner","Rent-free house and lot without consent of owner"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$b5021\_toilet.f <- factor(f2k3vars$b5021\_toilet,levels = c(1,2,3,4,5),labels = c("Water-sealed","Closed pit","Open pit","Others (pail system, etc)","None"))

} else {

f2k3vars$b5021\_toilet <- factor(f2k3vars$b5021\_toilet,levels = c(1,2,3,4,5),labels = c("Water-sealed","Closed pit","Open pit","Others (pail system, etc)","None"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$b5031\_electric.f <- factor(f2k3vars$b5031\_electric,levels = c(1,2),labels = c("With Electricity","With out Electricity"))

} else {

f2k3vars$b5031\_electric <- factor(f2k3vars$b5031\_electric,levels = c(1,2),labels = c("With Electricity","With out Electricity"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$b5041\_water.f <- factor(f2k3vars$b5041\_water,levels = c(1,2,3,4,5,6,7,8),labels = c("Own use, faucet, community water system","Shared, faucet, community water system","Own use, tubed/piped well","Shared, tubed/piped well","Dug well","Spring, river, stream, etc","Rain","Peddler"))

} else {

f2k3vars$b5041\_water <- factor(f2k3vars$b5041\_water,levels = c(1,2,3,4,5,6,7,8),labels = c("Own use, faucet, community water system","Shared, faucet, community water system","Own use, tubed/piped well","Shared, tubed/piped well","Dug well","Spring, river, stream, etc","Rain","Peddler"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$natdc.f <- factor(f2k3vars$natdc,levels = c(1,2,3,4,5,6,7,8,9,10),labels = c("First Decile","Second Decile","Third Decile","Fourth Decile","Fifth Decile","Sixth Decile","Seventh Decile","Eight Decile","Ninth Decile","Tenth Decile"))

} else {

f2k3vars$natdc <- factor(f2k3vars$natdc,levels = c(1,2,3,4,5,6,7,8,9,10),labels = c("First Decile","Second Decile","Third Decile","Fourth Decile","Fifth Decile","Sixth Decile","Seventh Decile","Eight Decile","Ninth Decile","Tenth Decile"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$regdc.f <- factor(f2k3vars$regdc,levels = c(1,2,3,4,5,6,7,8,9,10),labels = c("First Decile","Second Decile","Third Decile","Fourth Decile","Fifth Decile","Sixth Decile","Seventh Decile","Eight Decile","Ninth Decile","Tenth Decile"))

} else {

f2k3vars$regdc <- factor(f2k3vars$regdc,levels = c(1,2,3,4,5,6,7,8,9,10),labels = c("First Decile","Second Decile","Third Decile","Fourth Decile","Fifth Decile","Sixth Decile","Seventh Decile","Eight Decile","Ninth Decile","Tenth Decile"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$natpc.f <- factor(f2k3vars$natpc,levels = c(1,2,3,4,5,6,7,8,9,10),labels = c("First Decile","Second Decile","Third Decile","Fourth Decile","Fifth Decile","Sixth Decile","Seventh Decile","Eight Decile","Ninth Decile","Tenth Decile"))

} else {

f2k3vars$natpc <- factor(f2k3vars$natpc,levels = c(1,2,3,4,5,6,7,8,9,10),labels = c("First Decile","Second Decile","Third Decile","Fourth Decile","Fifth Decile","Sixth Decile","Seventh Decile","Eight Decile","Ninth Decile","Tenth Decile"))

}

if( cspro.factor.create.new.variable ) {

f2k3vars$regpc.f <- factor(f2k3vars$regpc,levels = c(1,2,3,4,5,6,7,8,9,10),labels = c("First Decile","Second Decile","Third Decile","Fourth Decile","Fifth Decile","Sixth Decile","Seventh Decile","Eight Decile","Ninth Decile","Tenth Decile"))

} else {

f2k3vars$regpc <- factor(f2k3vars$regpc,levels = c(1,2,3,4,5,6,7,8,9,10),labels = c("First Decile","Second Decile","Third Decile","Fourth Decile","Fifth Decile","Sixth Decile","Seventh Decile","Eight Decile","Ninth Decile","Tenth Decile"))

}

}

rm(cspro.factor.type)

rm(cspro.factor.create.new.variable)