###Analysis of WVS 2012

getwd()

setwd("D:/Users/Erwin/OneDrive - University of the Philippines/CSWCD/SD/SD 400/Dataset/WVS/2012")

library(readxl)

wvs2012 <- read\_excel("D:/Users/Erwin/OneDrive - University of the Philippines/CSWCD/SD/SD 400/Dataset/WVS/2012/testdata2.xlsx")

wvs2012 = as.data.frame(wvs2012)

library(psych)

library(tidyverse)

#https://www.datanovia.com/en/lessons/select-data-frame-columns-in-r/

wvs2012\_2 <- wvs2012 %>%select(V10 ,

V100 ,

V108 ,

V109 ,

V11 ,

V110 ,

V111 ,

V112 ,

V112 ,

V114 ,

V115 ,

V116 ,

V117 ,

V118 ,

V118 ,

V119 ,

V120 ,

V121 ,

V122 ,

V123 ,

V124 ,

V125\_09 ,

V126 ,

V127 ,

V128 ,

V129 ,

V130 ,

V131 ,

V132 ,

V133 ,

V134 ,

V135 ,

V136 ,

V137 ,

V138 ,

V139 ,

V140 ,

V141 ,

V142 ,

V170 ,

V171 ,

V172 ,

V173 ,

V174 ,

V175 ,

V181 ,

V182 ,

V189 ,

V190 ,

V191 ,

V192 ,

V193 ,

V194 ,

V195 ,

V196 ,

V198 ,

V199 ,

V200 ,

V201 ,

V202 ,

V203 ,

V203A ,

V204 ,

V205 ,

V206 ,

V207 ,

V207A ,

V208 ,

V209 ,

V210 ,

V228J ,

V229 ,

V23 ,

V230 ,

V238,

V248 ,

V4 ,

V45 ,

V46 ,

V47 ,

V49 ,

V5 ,

V50 ,

V51 ,

V52 ,

V53 ,

V54 ,

V55 ,

V59 ,

V6 ,

V7 ,

V8 ,

V84 ,

V9 ,

V95 ,

V96 ,

V97 ,

V98 ,

V99)

#detach(wvs2012\_2)

attach(wvs2012\_2)

class(wvs2012\_2)

#subset middle class

#d <- as.numeric(c(1:5))

#d <- as.data.frame(d)

#d

#wvs2012\_2m <- subset(wvs2012\_2, V238>1 & V238<4)

#wvs2012\_2m = subset(wvs2012\_2m, select = -c(V238))

wvs2012\_2m = subset(wvs2012\_2)

#733 obs

#descriptive

desc <- describe(wvs2012\_2m)

desc2 <- desc%>%select(skew,kurtosis)

desc2

#V4 is highly skewed

mardia(wvs2019\_2, na.rm=TRUE, plot=TRUE)

out=outlier(wvs2019\_2, bad=5, cex=.5, plot=T, na.rm=TRUE, bg=c("blue"),

pch=21, ylab="D2", ylim=c(0,500))

#freq

#table(Q1)

#table(Q288)

#table(Q288R)

#table(Q287)

#crosstab

#xtabs(~Q288+Q287)

#cor

#wvs2019cor=cor(Q287, Q108)

#wvs2019cor

#wvs2019cor=cor(wvs2019)

#wvs2019cor

#http://www.sthda.com/english/wiki/correlation-test-between-two-variables-in-r

#testcor <- cor.test(wvs2019$Q288, wvs2019$Q287,

# method = "pearson")

#testcor

#mulcor <- cor(wvs2019[, c('Q288', 'Q287', 'Q1')])

#mulcor

#polychoric

#wvs19poly = polychoric(wvs2019\_2)

#pearson

wvs12cor = cor(wvs2012\_2m)

#visualize cor>.3

#library(qgraph)

#qgraph(wvs19cor,cut=.30,details=TRUE,posCol="darkgreen",negCol="red",

# labels=names(wvs19cor))

#correlation plot from the psych package to see corr > .30

#corPlot(wvs19cor,diag=F,zlim=c(.3,1),upper=F,numbers=TRUE,cex.axis=.5)

#DETERMINE NUMBER OF CORRELATIONS ABOVE .30

#also chekch for Singularity - too high correlation (r=1).

##create correlation matrix from raw data

wvs12cor = cor(wvs2012\_2m)

##compute number of coef>=.30 off-diagonal

BigR=sum(wvs12cor>=abs(.30) & wvs12cor<abs(1.0),na.rm=T)/2

print(BigR)

#BigR = 144

##Check for multicollinearity

#if determinant of cor matrix is >0.00001 then multicollinearity is probably not a problem

det(cor(wvs2012\_2m))

#KMO

KMO(wvs2012\_2)

#Bartlett's

cortest.bartlett(wvs2012\_2,n=733)

#consider:

#https://stackoverflow.com/questions/15215457/standardize-data-columns-in-r

##How many factors to retain?

#PATTERN MATRIX FOR SOLUTION WITH EIGHT

#FACTORS FROM PSYCH PACKAGE

f8=fa(wvs2012\_2m,nfactors=8,SMC=TRUE,min.err=0.001,max.iter=1000,fm="ml",rotate="none",n.obs=733)

f8out <- print(f8,sort=TRUE, digits=2)

#PARALLEL ANALYSIS (PA) WITH PSYCH PACKAGE

#PA with 500 repetitions

#For correlation matrix the n.pbs must be added: n.obs=152

#compare eigen of simulated and actual

pawvs12=fa.parallel(wvs2012\_2m,fa="pc",n.iter = 500,ylab="Eigenvalues",quant=.50)

print(pawvs12)

#suggests 15 factors

#fa="pc" - extraction method=PCA

#fa="fa" - extraction method=common factor extraction

#quant = comparison standard, here = 50th percentile

#only 1 component (eigenvalue=7.90) is sufficient

#MAP WITH PSYCH PACKAGE

vss(wvs2012\_2m,rotate="none", fm="pc", plot=FALSE, n.obs=733)

#The lowest MAP value identifies the number of factors to retain. In this

#case, MAP reaches a minimum at two factors

#lowest MAP=?

#indicates 5 to 8 factors

#SCREE PLOT WITH PSYCH PACKAGE

#display scree plot from both reduced and unreduced corr matrices

scree(wvs2012\_2m,pc=TRUE,factors=TRUE,hline="-1",main="Scree Plot")

#how many factors?

#scree = 2-4

#pa = 15

#MAP = 5 - 8

#Delete var with low loading first.

#Cutoff = .4 (consistent with 2019)

#################

# 6 factor model, promax rotation, ML extraction, save residuals

#missing data can be imputed with mean (impute="mean") or median

#(impute="median"). Default vaues for iteration (min.err, max.iter)

#and initial communality estimate (SMC)

#record output

#sink(file = "Out1.txt", split = TRUE, append = FALSE)

f6=fa(wvs2012\_2m,nfactors=6,rotate="promax",residuals=TRUE,SMC=TRUE,

missing=FALSE,fm="ml",n.obs=733)

print(f6,digits=3,sort=TRUE)

#record

sink(file = "Out1.txt", split = TRUE, append = FALSE)

print(sort=TRUE,digits=3, cut=.399,f6$Structure)

sink()

#residual matrix

resd=residuals(f6,diag=FALSE,na.rm=TRUE)

print(resd,digits=3)

#next, count the number of residuals > .05. Can be changed to .10

BigR=sum(resd>abs(0.05), na.rm=T)

print(BigR)

#Total number of off-diagonal elements in the data matrix

totR=length(wvs2019\_2m)\*(length(wvs2019\_2m)-1)/2

print(totR)

#proportion of off-diagonal elements >.5 in residual matrix

sum(BigR/totR\*100)

#largest residual in the matrix

max(abs(resd),na.rm=TRUE)

#record output stop

sink(file = NULL)

unlink("Out1.txt")

#structure of matrix if desired

#save to file

sink(file = "Out1.txt", split = TRUE, append = FALSE)

print(sort=TRUE,digits=3, cut=.399,f6$Structure)

sink(file = NULL)

#decision:

#Remove vars with loading <.4, RUN

#Remove vars with loading <.5, RUN

#Try 4-factor model

#Try other or no retation

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# 4 factor model, promax rotation, ML extraction, save residuals

####this was done. 3 factor seems better, no conceptual overlap off factors

#missing data can be imputed with mean (impute="mean") or median

#(impute="median"). Default vaues for iteration (min.err, max.iter)

#and initial communality estimate (SMC)

#remove vars with loading <.4

wvs2012\_2m = subset(wvs2012\_2m, select = c(V199 ,

V200 ,

V201 ,

V202 ,

V203A ,

V204 ,

V205 ,

V206 ,

V207 ,

V207A ,

V208 ,

V209 ,

V210 ,

V118 ,

V119 ,

V120 ,

V121 ,

V122 ,

V123 ,

V124 ,

V125\_09 ,

V126 ,

V133 ,

V134 ,

V136 ,

V138 ,

V139 ,

V115 ,

V116 ,

V117 ,

V109 ,

V110 ,

V111 ,

V114 ,

V131 ,

V137 ,

V238))

#remove vars with loading <.399

#run f3

f3=fa(wvs2012\_2m,nfactors=3,rotate = "promax",residuals=TRUE,SMC=TRUE,

missing=FALSE,fm="ml",n.obs=733)

sink(file = "Outf4.txt", split = TRUE, append = FALSE)

print(sort=TRUE,digits=3, cut=.399,f3$Structure)

sink()

print(f3,digits=3,cut=.30, sort=TRUE)

print(sort=TRUE,digits=3, cut=0,f3$Structure)

#remove vars with loading <.3

####why is this here?

wvs2019\_2m = subset(wvs2019\_2m, select = -c(Q159, Q291G2, Q291G3, Q291P2, Q292A,

Q292B, Q292C, Q292D, Q292F, Q292H))

f3=fa(wvs2019\_2m,nfactors=3,rotate = "promax",residuals=TRUE,SMC=TRUE,

missing=FALSE,fm="ml",n.obs=737)

sink(file = "Out1.txt", split = TRUE, append = FALSE)

print(sort=TRUE,digits=3, cut=.399,f3$Structure)

sink()

#factor scores

factor.scores(wvs2019\_2m, f3, method="tenBerge")

det(cor(wvs2019\_2m))

#KMO

KMO(wvs2019\_2m)

#Bartlett's

cortest.bartlett(wvs2019\_2m,n=737)

#mardia

mardia(wvs2019\_2m, na.rm=TRUE, plot=TRUE)

#residual matrix

resd=residuals(f3,diag=FALSE,na.rm=TRUE)

print(resd,digits=3)

#next, count the number of residuals > .05. Can be changed to .10

BigR=sum(resd>abs(0.05), na.rm=T)

print(BigR)

#Total number of off-diagonal elements in the data matrix

totR=length(wvs2019\_2m)\*(length(wvs2019\_2m)-1)/2

print(totR)

#proportion of off-diagonal elements >.05 in residual matrix

sum(BigR/totR\*100)

#largest residual in the matrix

max(abs(resd),na.rm=TRUE)

#structure of matrix if desired

#save to file

sink(file = "Out1.txt", split = TRUE, append = FALSE)

print(sort=TRUE,digits=3, cut=0,f3$Structure)

sink(file = NULL)

######################################################################

#########################################################################

# 1 factor model, promax rotation, ML extraction, save residuals

#missing data can be imputed with mean (impute="mean") or median

#(impute="median"). Default vaues for iteration (min.err, max.iter)

#and initial communality estimate (SMC)

f1=fa(wvs2019\_2m,nfactors=1,rotate="promax",residuals=TRUE,SMC=TRUE,

missing=FALSE,fm="ml",n.obs=1200)

print(f1,digits=3,sort=TRUE)

print(sort=TRUE,digits=3, cut=0,f1$Structure)

#residual matrix

resd=residuals(f3,diag=FALSE,na.rm=TRUE)

print(resd,digits=3)

#next, count the number of residuals > .05. Can be changed to .10

BigR=sum(resd>abs(0.05), na.rm=T)

print(BigR)

#Total number of off-diagonal elements in the data matrix

totR=length(wvs2019\_2m)\*(length(wvs2019\_2m)-1)/2

print(totR)

#proportion of off-diagonal elements >.05 in residual matrix

sum(BigR/totR\*100)

#largest residual in the matrix

max(abs(resd),na.rm=TRUE)

#structure of matrix if desired

#save to file

sink(file = "Out1.txt", split = TRUE, append = FALSE)

print(sort=TRUE,digits=3, cut=0,f3$Structure)

sink(file = NULL)

#charts

setwd("D:/Users/Erwin/OneDrive - University of the Philippines/CSWCD/SD/SD 400/Data Analysis/WVS/2012")

library(dplyr)

library(weights)

library(sjstats)

library(gmodels)

library(pollster)

library(readxl)

library(ggplot2)

tab <- table(wvs2012\_2m$V200)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Never be Justified", "2", "3","4", "5", "6", "7", "8", "9", "Always be Justified"))

tab

V200 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V200

V200 <- V200 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Stealing Property", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V200

ggsave("V200.jpeg", plot = V200)

tab <- table(wvs2012\_2m$V201)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Never be Justified", "2", "3","4", "5", "6", "7", "8", "9", "Always be Justified"))

tab

V201 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V201

V201 <- V201 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Cheating on taxes \nif you have a chance", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V201

ggsave("V201.jpeg", plot = V201)

tab <- table(wvs2012\_2m$V202)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Never be Justified", "2", "3","4", "5", "6", "7", "8", "9", "Always be Justified"))

tab

V202 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V202

V202 <- V202 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Someone accepting a bribe \nin the course of their duties", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V202

ggsave("V202.jpeg", plot = V202)

tab <- table(wvs2012\_2m$V203A)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Never be Justified", "2", "3","4", "5", "6", "7", "8", "9", "Always be Justified"))

tab

V203A <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V203A

V203A <- V203A + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Homosexuality", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V203A

ggsave("V203A.jpeg", plot = V203A)

tab <- table(wvs2012\_2m$V204)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Never be Justified", "2", "3","4", "5", "6", "7", "8", "9", "Always be Justified"))

tab

V204 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V204

V204 <- V204 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Abortion", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V204

ggsave("V204.jpeg", plot = V204)

tab <- table(wvs2012\_2m$V205)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Never be Justified", "2", "3","4", "5", "6", "7", "8", "9", "Always be Justified"))

tab

V205 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V205

V205 <- V205 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Divorce", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V205

ggsave("V205.jpeg", plot = V205)

tab <- table(wvs2012\_2m$V206)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Never be Justified", "2", "3","4", "5", "6", "7", "8", "9", "Always be Justified"))

tab

V206 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V206

V206 <- V206 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Sex Before Marriage", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V206

ggsave("V206.jpeg", plot = V206)

tab <- table(wvs2012\_2m$V207)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Never be Justified", "2", "3","4", "5", "6", "7", "8", "9", "Always be Justified"))

tab

V207 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V207

V207 <- V207 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Suicide", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V207

ggsave("V207.jpeg", plot = V207)

tab <- table(wvs2012\_2m$V207A)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Never be Justified", "2", "3","4", "5", "6", "7", "8", "9", "Always be Justified"))

tab

V207A <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V207A

V207A <- V207A + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Euthanasia", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V207A

ggsave("V207A.jpeg", plot = V207A)

tab <- table(wvs2012\_2m$V208)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Never be Justified", "2", "3","4", "5", "6", "7", "8", "9", "Always be Justified"))

tab

V208 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V208

V208 <- V208 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "For a Man to Beat his Wife", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V208

ggsave("V208.jpeg", plot = V208)

tab <- table(wvs2012\_2m$V209)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Never be Justified", "2", "3","4", "5", "6", "7", "8", "9", "Always be Justified"))

tab

V209 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V209

V209 <- V209 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Parents Beating Child", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V209

ggsave("V209.jpeg", plot = V209)

tab <- table(wvs2012\_2m$V210)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Never be Justified", "2", "3","4", "5", "6", "7", "8", "9", "Always be Justified"))

tab

V210 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V210

V210 <- V210 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Violence Against \nOther People", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V210

ggsave("V210.jpeg", plot = V210)

tab <- table(wvs2012\_2m$V118)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V118 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V118

V118 <- V118 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in the \nCivil Service", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V118

ggsave("V118.jpeg", plot = V118)

tab <- table(wvs2012\_2m$V119)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V119 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V119

V119 <- V119 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in the \nUniversities", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V119

ggsave("V119.jpeg", plot = V119)

tab <- table(wvs2012\_2m$V120)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V120 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V120

V120 <- V120 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in \nMajor Companies", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V120

ggsave("V120.jpeg", plot = V120)

tab <- table(wvs2012\_2m$V121)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V121 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V121

V121 <- V121 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in Banks", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V121

ggsave("V121.jpeg", plot = V121)

tab <- table(wvs2012\_2m$V123)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V123 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V123

V123 <- V123 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in Women's Organization", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V123

ggsave("V123.jpeg", plot = V123)

tab <- table(wvs2012\_2m$V124)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V124 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V124

V124 <- V124 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in Charitable or\nHumanitarian Organizations", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V124

ggsave("V124.jpeg", plot = V124)

tab <- table(wvs2012\_2m$V125\_09)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V125\_09 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V125\_09

V125\_09 <- V125\_09 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in the \nASEAN", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V125\_09

ggsave("V125\_09.jpeg", plot = V125\_09)

tab <- table(wvs2012\_2m$V126)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V126 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V126

V126 <- V126 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in the \nUnited Nations", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V126

ggsave("V126.jpeg", plot = V126)

tab <- table(wvs2012\_2m$V115)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V115 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V115

V115 <- V115 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in the \nNational Government", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V115

ggsave("V115.jpeg", plot = V115)

tab <- table(wvs2012\_2m$V116)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V116 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V116

V116 <- V116 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in \nPolitical Parties", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V116

ggsave("V116.jpeg", plot = V116)

tab <- table(wvs2012\_2m$V117)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V117 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V117

V117 <- V117 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in \nCongress", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V117

ggsave("V117.jpeg", plot = V117)

tab <- table(wvs2012\_2m$V114)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V114 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V114

V114 <- V114 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in \nthe Courts", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V114

ggsave("V114.jpeg", plot = V114)

tab <- table(wvs2012\_2m$V122)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V122 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V122

V122 <- V122 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in \nEnvironmental Organizations", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V122

ggsave("V122.jpeg", plot = V122)

tab <- table(wvs2012\_2m$V109)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V109 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V109

V109 <- V109 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in the \nArmed Forces", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V109

ggsave("V109.jpeg", plot = V109)

tab <- table(wvs2012\_2m$V110)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V110 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V110

V110 <- V110 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in \nthe Press", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V110

ggsave("V110.jpeg", plot = V110)

tab <- table(wvs2012\_2m$V111)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4), labels = c("A Great Deal", "Quite A Lot", "Not Very Much", "None At All"))

tab

V111 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V111

V111 <- V111 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Confidence in \nthe Television", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 4, position=position\_dodge(width=0.9), vjust=-0.25)

V111

ggsave("V111.jpeg", plot = V111)

tab <- table(wvs2012\_2m$V133)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Not Needed in \nDemocracy", "2", "3","4", "5", "6", "7", "8", "9", "Needed in \nDemocracy"))

tab

V133 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V133

V133 <- V133 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "People choose their \nleaders in free elections", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 2, position=position\_dodge(width=0.9), vjust=-0.25)

V133

ggsave("V133.jpeg", plot = V133)

tab <- table(wvs2012\_2m$V134)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Not Needed in \nDemocracy", "2", "3","4", "5", "6", "7", "8", "9", "Needed in \nDemocracy"))

tab

V134 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V134

V134 <- V134 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "People receive \nstate aid for unemployment", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 2, position=position\_dodge(width=0.9), vjust=-0.25)

V134

ggsave("V134.jpeg", plot = V134)

tab <- table(wvs2012\_2m$V136)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Not Needed in \nDemocracy", "2", "3","4", "5", "6", "7", "8", "9", "Needed in \nDemocracy"))

tab

V136 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V136

V136 <- V136 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2012", subtitle="", caption="",

x = "Civil rights protect people \nfrom state oppression", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 2, position=position\_dodge(width=0.9), vjust=-0.25)

V136

ggsave("V136.jpeg", plot = V136)

tab <- table(wvs2012\_2m$V137)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Not Needed in \nDemocracy", "2", "3","4", "5", "6", "7", "8", "9", "Needed in \nDemocracy"))

tab

V137 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V137

V137 <- V137 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2001", subtitle="", caption="",

x = "The state makes people’s \nincomes equal", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 2, position=position\_dodge(width=0.9), vjust=-0.25)

V137

ggsave("V137.jpeg", plot = V137)

tab <- table(wvs2012\_2m$V131)

tab<-prop.table(tab)

tab <- as.data.frame.table(tab)

tab

tab$Var1 = factor(tab$Var1, levels=c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10), labels = c("Not Needed in \nDemocracy", "2", "3","4", "5", "6", "7", "8", "9", "Needed in \nDemocracy"))

tab

V131 <- ggplot(tab, aes(y = Freq\*100, x = Var1)) + scale\_y\_continuous(limits = c(0,100))

V131

V131 <- V131 + geom\_bar(stat="identity", width = 0.8, position="dodge", fill="steel blue") +

labs(title="WVS 2001", subtitle="", caption="",

x = "Governments tax the rich \nand subsidize the poor", y = "Percent", fill = "Gender Focal \nPerson") +

theme(axis.text.x = element\_text(size = 6, angle=65, vjust=1, hjust=1), axis.title=element\_text(size = 10, face=("bold"))) +

geom\_text(aes(label=round(Freq, digits=3)\*100), size = 2, position=position\_dodge(width=0.9), vjust=-0.25)

V131

ggsave("V131.jpeg", plot = V131)

###############

######Crosstabs

sink(file = "wvs12xtabs.txt", split = TRUE, append = FALSE)

CrossTable(wvs2012\_2m$V109,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V110,wvs2012\_2m$V238, chisq = TRUE) #close

CrossTable(wvs2012\_2m$V111,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V112,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V114,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V115,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V116,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V117,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V118,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V119,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V120,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V121,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V122,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V123,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V124,wvs2012\_2m$V238, chisq = TRUE) #close

CrossTable(wvs2012\_2m$V125\_09,wvs2012\_2m$V238, chisq = TRUE) #close

CrossTable(wvs2012\_2m$V126,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V131,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V133,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V134,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V136,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V137,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V138,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V139,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V140,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V199,wvs2012\_2m$V238, chisq = TRUE) # close

CrossTable(wvs2012\_2m$V200,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V201,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V202,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V203,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V203A,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V204,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V205,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V206,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V207,wvs2012\_2m$V238, chisq = TRUE) #close

CrossTable(wvs2012\_2m$V207A,wvs2012\_2m$V238, chisq = TRUE) #close

CrossTable(wvs2012\_2m$V208,wvs2012\_2m$V238, chisq = TRUE) #

CrossTable(wvs2012\_2m$V209,wvs2012\_2m$V238, chisq = TRUE) #\*\*

CrossTable(wvs2012\_2m$V210,wvs2012\_2m$V238, chisq = TRUE) #

sink()