Macro-socio-ecology-variables

Friday, June 26, 2015

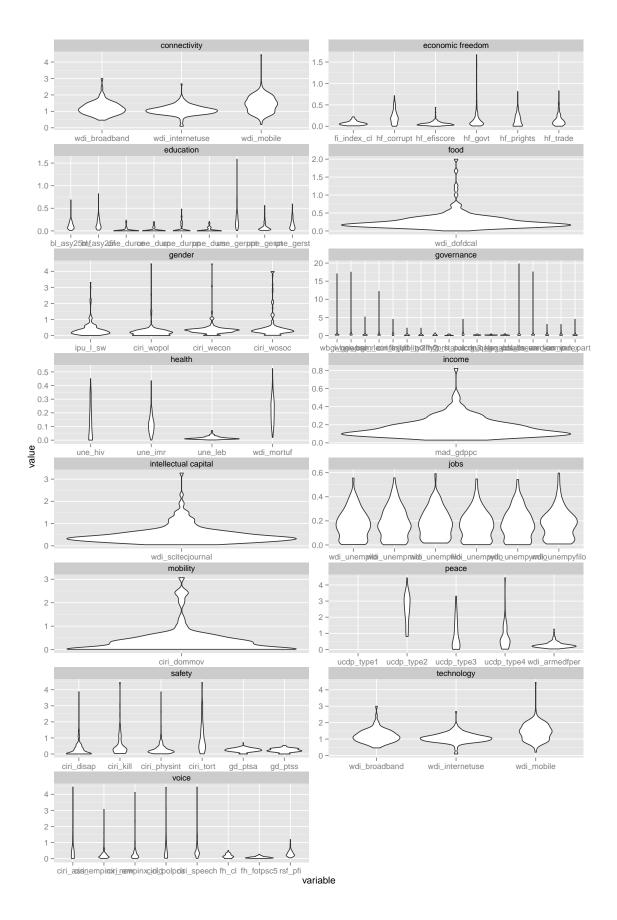
Contents

1 REFERENCES 8

 ${\% include JB/setup \%}$

```
library(ggplot2);library(reshape)
wd<-"G:/Documents/PostDocKVA/Labbook/projects/macro-socio-ecology"</pre>
QoG.wd<-"G:\\Documents\\PostDocKVA\\Data\\QOG"
WB.poverty.wd<-"G:\\Documents\\PostDocKVA\\Data\\WorldBank\\PovertyEquityDB"
year.min < -1990
year.max < -2009
setwd(wd)
var.df<-read.csv("social_variables.csv",header=T,stringsAsFactors = FALSE,na.strings="")</pre>
var.df<-var.df[which(is.na(var.df[,"varcode"])==FALSE),]</pre>
data.dirs<-unique(var.df$dir)</pre>
data.files<-unique(var.df$file)</pre>
## reading in QoG data
if(QoG.wd %in% data.dirs){
setwd(QoG.wd)
QoG.basts.df<-read.csv("qog_bas_ts_jan15.csv",header=T,stringsAsFactors = FALSE,na.strings="")
QoG.sel.vars<-unique(var.df[which(var.df$dataset == "QoG"),"varcode"])</pre>
QoG.sel.df < -QoG.basts.df[,c("ccode","cname","year","ccodealp","cname_year","ccodealp_year","ccodecow","
\#c("ccode", "cname", "year", "ccodealp", "cname\_year", "ccodealp\_year", "ccodecow", "ccodewb", "version", QoG. set the content of the conte
QoG.sel.df<-QoG.sel.df[which(QoG.sel.df$year %in% c(year.min:year.max)),]
}
### CALCULATING WITHIN COUNTRY STANDARD DEVIATION
country.df<-data.frame("country"=sort(unique(QoG.sel.df$ccodealp)))</pre>
#country.df[,paste(QoG.sel.vars,"mean",sep=".")]<-NA</pre>
#country.df[,paste(QoG.sel.vars, "median", sep=".")]<-NA</pre>
```

```
QoG.sel.df<-QoG.sel.df[order(QoG.sel.df$ccodealp),]
QoG.sd<-as.data.frame(apply(QoG.sel.df[,QoG.sel.vars],2,function(x,y=QoG.sel.df$ccodealp) tapply(x,y,function(x,y=QoG.sel.df$ccodealp) tapply(x,y=QoG.sel.df$ccodealp) tapply(x,y=QoG.sel.df$
```



```
####
### CALCULATING WITHIN COUNTRY UNIQUE VALUES

country.df<-data.frame("country"=sort(unique(QoG.sel.df$ccodealp)))
#country.df[,paste(QoG.sel.vars, "mean",sep=".")]<-NA
#country.df[,paste(QoG.sel.vars, "median",sep=".")]<-NA

QoG.sel.df<-QoG.sel.df[order(QoG.sel.df$ccodealp),]

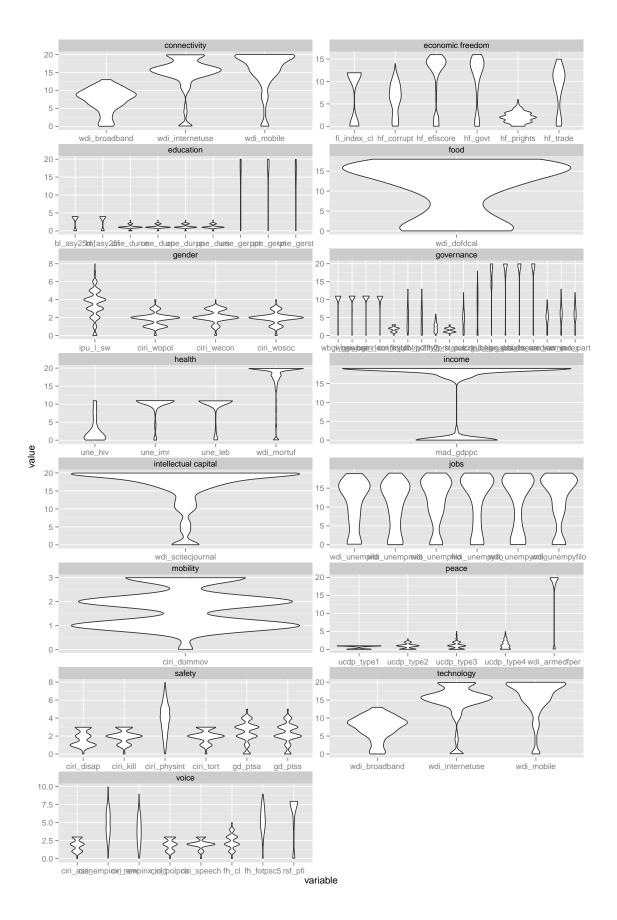
QoG.unique<-as.data.frame(apply(QoG.sel.df[,QoG.sel.vars],2,function(x,y=QoG.sel.df$ccodealp) tapply(x,mames(QoG.sd)<-paste(names(QoG.sd), "sd",sep=".")

country.df<-as.data.frame(cbind(country.df,QoG.unique))
#country.df[,paste(QoG.sel.vars, "sd",sep=".")]<-QoG.sd

country.melt.unique.df<-melt(country.df[,c("country",names(QoG.unique))])

#country.melt.sd.df[,"variable"]<-gsub(".sd","")
country.melt.unique.df<-merge(country.melt.unique.df,var.df,by.x="variable",by.y="varcode",all.x=TRUE)

#x11()
ggplot(country.melt.unique.df[-which(country.melt.unique.df[,"variable"]%in%c("cam_inclusive","wbgi_cce</pre>
```



```
### CALCULATING WITHIN COUNTRY UNIQUE VALUES PER TIME SERIES LENGTH

country.df<-data.frame("country"=sort(unique(QoG.sel.df$ccodealp)))

QoG.sel.df<-QoG.sel.df[order(QoG.sel.df$ccodealp),]

QoG.relunique<-as.data.frame(apply(QoG.sel.df[,QoG.sel.vars],2,function(x,y=QoG.sel.df$ccodealp) tapply

#names(QoG.sd)<-paste(names(QoG.sd), "sd",sep=".")

country.df<-as.data.frame(cbind(country.df,QoG.relunique))

#country.df[,paste(QoG.sel.vars, "sd",sep=".")]<-QoG.sd

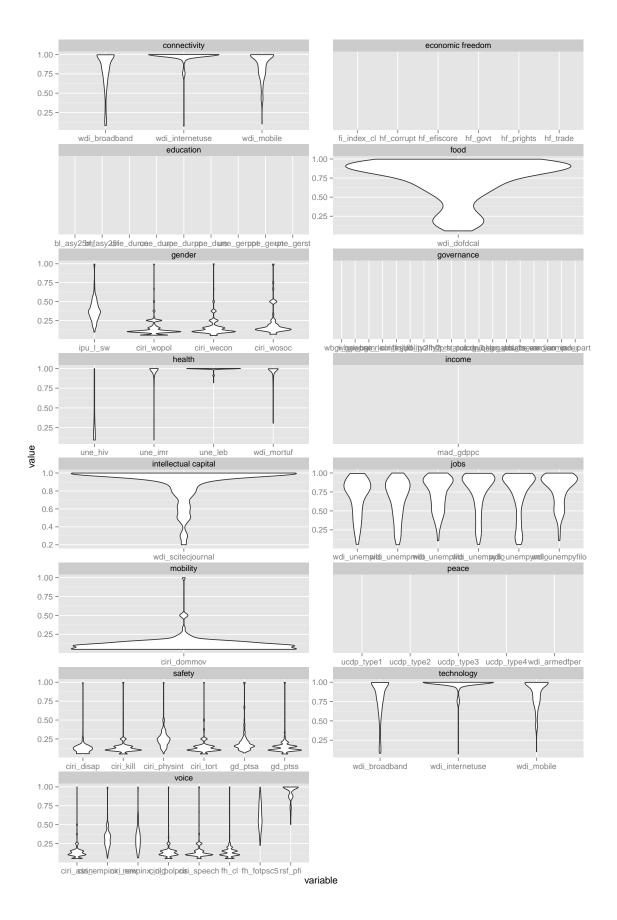
country.melt.relunique.df<-melt(country.df[,c("country",names(QoG.relunique))])

#country.melt.sd.df[,"variable"]<-gsub(".sd","")

country.melt.relunique.df<-merge(country.melt.relunique.df,var.df,by.x="variable",by.y="varcode",all.x="

#x11()

ggplot(country.melt.relunique.df[-which(country.melt.relunique.df[,"variable"]%in%c("cam_inclusive","wb.</pre>
```





1 REFERENCES

The following literature was cited