Merge Permutation And Vreeland and Dreher files

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This file is used in replicating findings for "Foreign Aid Funnel? Placebo-Based Assessment of Aid Flows to Non-Permanent U.N. Security Council Members" by Evangeline Reynolds (University of Illinois) and Matthew Winters (University of Illinois).

```
library(foreign)
Ch5=read.dta("./01VreelandAndDreher/VreelandAndDreherChapter5.dta")
VariableKey=data.frame(Var=names(Ch5), attr(Ch5, "var.labels"))
dim(Ch5)
```

```
## [1] 11033   572
```

```
names(Ch5)[1:12]
```

```
##  [1] "aclpcode"   "aclpname"   "code"       "year"       "unsc"
##  [6] "country"    "odadis_ARE" "odadis_AUS" "odadis_AUT" "odadis_BEL"
## [11] "odadis_CAN" "odadis_CHE"
```

```
dim(unique(Ch5[c("code", "year")]))
```

```
## [1] 11033     2
```

```
head(VariableKey);tail(VariableKey)
```

```
##        Var attr.Ch5...var.labels..
## 1 aclpcode
## 2 aclpname
## 3     code
## 4     year
## 5     unsc                SCMember
## 6  country
```

```
##              Var
## 567   pariah_sc2
## 568     usa_ally
## 569  usa_ally_sc
## 570 usa_ally_sc2
## 571       pop_ln
## 572 vote_inter_l
##                                                    attr.Ch5...var.labels..
## 567               Interaction of pariah and IMPORTANT YEAR UNSC membership
## 568 Coded 1 for US ally 0 otherwise.Source Gibler & Sarkees 2004 COW v3.03
## 569                            Interaction of USA ally and UNSC membership
## 570             Interaction of USA ally and IMPORTANT YEAR UNSC membership
## 571                                  (log) Population (in thousands), PWT7
## 572                     Voting against USA (UNSC) * Voting with USA (UNGA)
```

```r
load("05_LongSCPermutations.RData")
ls()
```

```
##  [1] "Ch5"                       "Characters"
##  [3] "Country"                   "CountryCouncilYears"
##  [5] "CountryYearData"           "CountyNamer"
##  [7] "CurrentYear"               "DATA"
##  [9] "DATAAllRegionsLong"        "doc.type.out"
## [11] "EachCountry"               "EarlyCountryYear"
## [13] "EarlyCountryYearRegions"   "EarlyDATA"
## [15] "EndDate"                   "FavoriteCountryName"
## [17] "i"                         "j"
## [19] "League"                    "long"
## [21] "LongSCPermutations"        "ModernCountryYear"
## [23] "ModernCountryYearRegions" "ModernDATA"
## [25] "ModernRegions"             "NumCountries"
## [27] "NumPermutation"            "NumYears"
## [29] "OneCase"                   "StandardName"
## [31] "StartDate"                 "startNumeric"
## [33] "TenuresData"               "text"
## [35] "text0"                     "text1"
## [37] "text2"                     "text3"
## [39] "text4"                     "text5"
## [41] "UNMemberData"              "UNMemLong"
## [43] "VariableKey"               "Year"
## [45] "Year1"                     "Year2"
## [47] "Year3"
```

```r
head(names(LongSCPermutations))
```

```
## [1] "Year"               "WhichTenureYear"    "RealizedAssignment"
## [4] "Permutation1"       "Permutation2"       "Permutation3"
```

```r
tail(names(LongSCPermutations))
```

```
## [1] "Permutation995"  "Permutation996"  "Permutation997"  "Permutation998"
## [5] "Permutation999"  "Permutation1000"
```

```r
#head(LongSCPermutations[1:7])
```

Standardize Names for Each Country

```r
setwd("./000MyCountryCoder/") #For chunk temporarily resets locaction
source("countrycode2.R")
Ch5$StandardName=FavoriteCountryName(Ch5$aclpname)
```

```
## [1] "The unique input and output where input and output do not match are:"
##            Unique.Inputs.Truncated                                Out
```

```
## 8                         Antigua              Antigua and Barbuda
## 19                  Bahamas, The                          Bahamas
## 20             Bosnia-Herzegovina          Bosnia and Herzegovina
## 26                         Brunei               Brunei Darussalam
## 34                 Cote d'Ivoire                     Ivory Coast
## 51               Egypt, Arab Rep.                           Egypt
## 55                       Ethiopia2                        Ethiopia
## 59  Micronesia, Federated States o                       Micronesia
## 65                    Gambia, The                           Gambia
## 79             Iran, Islamic Rep.                             Iran
## 92            St. Kitts and Nevis          Saint Kitts and Nevis
## 93            Korea, South (Rep.)                     South Korea
## 95                       Laos PDR                            Laos
## 99                     St. Lucia                     Saint Lucia
## 109               Maldive Islands                        Maldives
## 112                    Macedonia              Macedonia, TFYR of
## 138      Korea, North (Dem. Rep.)                     North Korea
## 154                    Yugoslavia2                      Yugoslavia
## 157               Slovak Republic                        Slovakia
## 162          Syrian Arab Republic                           Syria
## 178                   St. Vincent Saint Vincent and The Grenadines
## 182                 Western Samoa                           Samoa
## 183             Republic of Yemen                           Yemen
## 185                         Zaire                             DRC
```

```
min(Ch5$year); max(Ch5$year)
```

```
## [1] 1951
```

```
## [1] 2009
```

```
dim(unique(Ch5[c("StandardName", "year")]))
```

```
## [1] 11033     2
```

```
head(Ch5[1:5])
```

```
##   aclpcode aclpname code year unsc
## 1      195  Andorra  ADO 1951   NA
## 2      195  Andorra  ADO 1952   NA
## 3      195  Andorra  ADO 1953   NA
## 4      195  Andorra  ADO 1954   NA
## 5      195  Andorra  ADO 1955   NA
## 6      195  Andorra  ADO 1956   NA
```

```
head(LongSCPermutations[1:5])
```

```
##      Year WhichTenureYear RealizedAssignment Permutation1 Permutation2
## 2    1968               1            Algeria        Egypt        Egypt
## 2100 1969               2            Algeria        Egypt        Egypt
## 2102 1970               3            Algeria        Egypt        Egypt
```

```
## 3    1988               1            Algeria      Tunisia      Tunisia
## 316  1989               2            Algeria      Tunisia      Tunisia
## 318  1990               3            Algeria      Tunisia      Tunisia
```

```
dim(LongSCPermutations)
```

```
## [1]  925 1003
```

```
LongSCPermutations[c("Permutation1", "Year")][duplicated(LongSCPermutations[c("Permutation1", "Year")])
```

```
## [1] Permutation1 Year
## <0 rows> (or 0-length row.names)
```

```
LongSCPermutations=
  LongSCPermutations[LongSCPermutations$WhichTenureYear!=3,]
head(LongSCPermutations[1:5])
```

```
##      Year WhichTenureYear RealizedAssignment Permutation1 Permutation2
## 2    1968               1            Algeria        Egypt        Egypt
## 2100 1969               2            Algeria        Egypt        Egypt
## 3    1988               1            Algeria      Tunisia      Tunisia
## 316  1989               2            Algeria      Tunisia      Tunisia
## 1    2004               1            Algeria      Tunisia      Tunisia
## 1100 2005               2            Algeria      Tunisia      Tunisia
```

```
PermutationNames=names(LongSCPermutations)[which(names(LongSCPermutations)=="Permutation1"):ncol(LongSC
NumPermutation=length(PermutationNames)
LongSCPermutations[c("Year", "WhichTenureYear", "RealizedAssignment")][duplicated(LongSCPermutations[c(
```

```
## [1] Year               WhichTenureYear    RealizedAssignment
## <0 rows> (or 0-length row.names)
```

```
#Consistency check
Merge=merge(LongSCPermutations[c("Year",
                           "WhichTenureYear",
                           "RealizedAssignment")],
      Ch5[c("year", "StandardName", "unsc")],
      by.x=c("Year", "RealizedAssignment"),
      by.y=c("year", "StandardName"), all=TRUE
)

dim(Merge)
```

```
## [1] 11129     4
```

```
min(Ch5$year);max(Ch5$year)
```

```
## [1] 1951
```

```
## [1] 2009
```

```
Merge=Merge[Merge$Year>=1951&Merge$Year<=2009,]
dim(Merge)
```

```
## [1] 11044     4
```

Merging

Our initial data processing does not produce exactly the same information about UN/UNSC memberships as found in Vreeland and Dreher's replication data. For example, Vreeland and Dreher code Ethiopia as NA in their data across a period when that country is on the Security Council. We follow Vreeland and Dreher in their exclusion of country-years to make a direct comparison with their results.

```
head(Merge)
```

```
##    Year  RealizedAssignment WhichTenureYear unsc
## 31 1951         Afghanistan              NA    0
## 32 1951             Albania              NA    0
## 33 1951             Algeria              NA   NA
## 34 1951             Andorra              NA   NA
## 35 1951              Angola              NA   NA
## 36 1951 Antigua and Barbuda              NA   NA
```

```
table(Merge$WhichTenureYear, Merge$unsc, useNA="always")
```

```
##
##            0    1 <NA>
##   1        0  259   13
##   2        0  246   12
##   <NA> 7645    3 2866
```

```
subset(Merge, Merge$unsc==1&is.na(Merge$WhichTenureYear))
```

```
##      Year RealizedAssignment WhichTenureYear unsc
## 1951 1961              Egypt              NA    1
## 2064 1961              Syria              NA    1
## 2139 1962              Egypt              NA    1
```

```
subset(Merge, is.na(Merge$unsc)&
         Merge$WhichTenureYear %in% c(1,2))
```

```
##      Year   RealizedAssignment WhichTenureYear unsc
## 215  1951           Yugoslavia               2   NA
## 1150 1956           Yugoslavia               1   NA
## 2077 1961 United Arab Republic               1   NA
## 2265 1962 United Arab Republic               2   NA
## 2508 1964       Czechoslovakia               1   NA
## 3081 1967             Ethiopia               1   NA
## 3268 1968             Ethiopia               2   NA
```

```
## 4145 1972           Yugoslavia              1   NA
## 4332 1973           Yugoslavia              2   NA
## 4350 1974              Belarus              1   NA
## 4537 1975              Belarus              2   NA
## 5079 1977         West Germany              1   NA
## 5128 1978       Czechoslovakia              1   NA
## 5268 1978         West Germany              2   NA
## 5317 1979       Czechoslovakia              2   NA
## 5510 1980         East Germany              1   NA
## 5698 1981         East Germany              2   NA
## 6385 1984              Ukraine              1   NA
## 6572 1985              Ukraine              2   NA
## 6955 1987         West Germany              1   NA
## 7143 1988         West Germany              2   NA
## 7145 1988           Yugoslavia              1   NA
## 7203 1989             Ethiopia              1   NA
## 7332 1989           Yugoslavia              2   NA
## 7390 1990             Ethiopia              2   NA
```

```
dim(Ch5)
```

```
## [1] 11033   573
```

```
#Ch5=Ch5[c("year","StandardName", "code", "unsc")]
dim(Ch5)
```

```
## [1] 11033   573
```

```
 for (i in 1:NumPermutation){

  WhichPermutation=paste0("Permutation",i)

 Ch5=merge(Ch5,
           LongSCPermutations[c("Year","WhichTenureYear", WhichPermutation)],
           by.x=c("year","StandardName"),
           by.y=c("Year", WhichPermutation ),
           all.x=TRUE
           )

  Ch5$WhichTenureYear[is.na(Ch5$WhichTenureYear)]=0
  Ch5$WhichTenureYear[Ch5$WhichTenureYear==1|
                      Ch5$WhichTenureYear==2]=1

  # Overwrite this var with NAs when Vreeland and Dreher do so..
  Ch5$WhichTenureYear[is.na(Ch5$unsc)]=NA

  names(Ch5)[names(Ch5)=="WhichTenureYear"]=paste0("SCReassign",i)

 }
head(names(Ch5))
```

```
## [1] "year"         "StandardName" "aclpcode"     "aclpname"
## [5] "code"         "unsc"
```

```r
tail(names(Ch5))
```

```
## [1] "SCReassign995"  "SCReassign996"  "SCReassign997"  "SCReassign998"
## [5] "SCReassign999"  "SCReassign1000"
```

Save the Data with Reassignments for Security Council Compositions.

```r
Ch5_Temp=Ch5[c("year","StandardName", "code", "unsc", paste0("SCReassign",1:NumPermutation))]
write.dta(dataframe=Ch5_Temp, file="07_Ch5wPerm.dta")
```