Link Countries to UN Regions

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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(knitr)
#opts_chunk$set(results="markup")
library(stringr)
```

Arab League

The list of countries that are part of the Arab League is documented at http://www.icnl.org/research/monitor/las.html which was accessed May 18th, 2015.

```
#Note: Syria was suspended in 2011
League=read.csv("./01RawData/UNRegions - League of Arab States.txt")
```

Assign a Standard Name to the countries on the Arab League List

```
#change working directory for this code chunck only to 000MyCountryCoder Folder
setwd("./000MyCountryCoder/")
#load country namer function
source("countrycode2.R")
League$StandardName=FavoriteCountryName(League$LeagueArabStates)
```

```
## [1] "The unique input and output where input and output do not match are:"
##    Unique.Inputs.Truncated                              Out
## 9                   Syria*                            Syria
## 17              Palestine Palestinian Territory, Occupied
```

Drop Palestine - as not a member state of UN

```
nrow(League); League=League[League$LeagueArabStates!="Palestine",]
```

```
## [1] 22
```

```
#Verify that one row is dropped
nrow(League)
```

```
## [1] 21
```

U.N. Regions Prior to 1966

The data regarding the regional membership of countries prior to Security Council expansion are documented in *The Procedure of the UN Security Council* by Loraine Slevers and Sam Daws. The screen shot provided in the raw data replication files was taken from https://books.google.com on May 6, 2015. The .csv file is based on this information.

For the 1946-1965 regions, we only assign a region if the country actually served on the Security Council.

Note: There were more irregularities during this time period, especially in the Eastern European and Asian groups. For example, some countries served on the Security Council for just one year; other countries took seats for regions of which they were not actually members. Liberia took the Western European Seat in 1961. Morroco, despite not being a member of the regional group, took the Middle Eastern seat in 1963-1964.

```
#Read in the data for the 1946-1965 Regional groups
EarlyDATA=read.csv("./01RawData/UNRegions - PreviousCountryRegionalGroups.csv",
                   na.strings ="")

#Turkey appears as part of two regions in the data
EarlyDATA[complete.cases(EarlyDATA),]
```

```
##    Country.Name               Previous.Region1    Previous.Region2
## 42       Turkey Eastern European and Asia Seat Middle Eastern Seat
```

```
levels(EarlyDATA$Previous.Region1)
```

```
## [1] "Commonwealth Seat"              "Eastern European and Asia Seat"
## [3] "Latin American Seat"            "Middle Eastern Seat"
## [5] "Western European Seat"
```

```
levels(EarlyDATA$Previous.Region2)
```

```
## [1] "Middle Eastern Seat"
```

```
dim(EarlyDATA)[1]==length(unique(EarlyDATA$Country.Name))
```

```
## [1] TRUE
```

Standardize early regions country names data with the coder.

```
#clean up leading and trailing spaces
EarlyDATA$Country.Name=str_trim(EarlyDATA$Country.Name)
#Assign Standard Name
EarlyDATA$StandardName=FavoriteCountryName(EarlyDATA$Country.Name)
```

```
## [1] "The unique input and output where input and output do not match are:"
##    Unique.Inputs.Truncated       Out
## 7                   Ceylon Sri Lanka
## 43           Ukrainian SSR   Ukraine
```

```r
#How many countries appear?
length(unique(EarlyDATA$StandardName))
```

```
## [1] 47
```

Transform early regions to country-year format

```r
options(width=100)
Year=1946:1965
StandardName=unique(EarlyDATA$StandardName)
EarlyCountryYear=merge(Year, StandardName)
names(EarlyCountryYear)=c("Year", "StandardName")

EarlyCountryYearRegions=merge(EarlyCountryYear, EarlyDATA)
dim(EarlyCountryYearRegions)
```

```
## [1] 940   5
```

```r
head(EarlyCountryYearRegions);tail(EarlyCountryYearRegions)
```

```
##   StandardName Year Country.Name    Previous.Region1 Previous.Region2
## 1    Argentina 1946    Argentina Latin American Seat             <NA>
## 2    Argentina 1947    Argentina Latin American Seat             <NA>
## 3    Argentina 1948    Argentina Latin American Seat             <NA>
## 4    Argentina 1949    Argentina Latin American Seat             <NA>
## 5    Argentina 1950    Argentina Latin American Seat             <NA>
## 6    Argentina 1951    Argentina Latin American Seat             <NA>
```

```
##     StandardName Year Country.Name               Previous.Region1 Previous.Region2
## 935   Yugoslavia 1960   Yugoslavia Eastern European and Asia Seat             <NA>
## 936   Yugoslavia 1961   Yugoslavia Eastern European and Asia Seat             <NA>
## 937   Yugoslavia 1962   Yugoslavia Eastern European and Asia Seat             <NA>
## 938   Yugoslavia 1963   Yugoslavia Eastern European and Asia Seat             <NA>
## 939   Yugoslavia 1964   Yugoslavia Eastern European and Asia Seat             <NA>
## 940   Yugoslavia 1965   Yugoslavia Eastern European and Asia Seat             <NA>
```

U.N. Regions from 1966 to the Present

We get modern information about the regional groupings from the U.N. website, "United Nations Regional Groups of Member States" http://www.un.org/depts/DGACM/RegionalGroups.shtml, accessed May 27, 2015.

Several special cases are described on this website:

Israel In May 2000, Israel became a Western Europe and Other States Group (WEOG) full member, on a temporary basis (subject to renewal), in WEOG's headquarters in the US, thereby enabling it to put forward candidates for election to various U.N. General Assembly bodies. In 2004 Israel obtained a permanent renewal for its membership.

Kiribati As of 2010, Kiribati (geographically in Oceania) is not a member of any regional group, despite other Oceania nations belonging to the Asian group. Despite its membership in the United Nations, Kiribati has never delegated a permanent representative to the UN.

Turkey Turkey, participates fully in both the Western Europe and Other States Group (WEOG) and the Asian Group, but for electoral purposes is considered a member of WEOG only.

United States of America The United States of America is not a member of any regional group, but attends meetings of the Western Europe and Other States Group (WEOG) as an observer and is considered to be a member of that group for electoral purposes.

Also, following the historical record, according to which region they have served for on the Security Council, I add Czechoslovakia, East Germany, and Yugoslavia to the list of Eastern European countries and West Germany to the Western European and Others Group (WEOG).

```
ModernDATA=read.csv("./01RawData/UNRegions - UNModernCountryRegions.txt")
head(ModernDATA)
```

```
##                                 Country.Name  Modern.Region
## 1 Algeria                                     African Group
## 2 Angola                                      African Group
## 3 Benin                                       African Group
## 4 Botswana                                    African Group
## 5 Burkina Faso                                African Group
## 6 Burundi                                     African Group
```

```
ModernDATA$Country.Name=str_trim(ModernDATA$Country.Name)
ModernDATA$Modern.Region=factor(str_trim(ModernDATA$Modern.Region))
head(ModernDATA)
```

```
##   Country.Name Modern.Region
## 1      Algeria African Group
## 2       Angola African Group
## 3        Benin African Group
## 4     Botswana African Group
## 5 Burkina Faso African Group
## 6      Burundi African Group
```

```
tail(ModernDATA)
```

```
##                 Country.Name                            Modern.Region
## 188                    Spain Western European and Others Group (WEOG)
## 189                   Sweden Western European and Others Group (WEOG)
## 190              Switzerland Western European and Others Group (WEOG)
## 191                   Turkey Western European and Others Group (WEOG)
## 192           United Kingdom Western European and Others Group (WEOG)
## 193 United States of America Western European and Others Group (WEOG)
```

```
ModernDATA=rbind(ModernDATA, c("Yugoslavia","Eastern European Group"))
ModernDATA=rbind(ModernDATA, c("Czechoslovakia","Eastern European Group"))
ModernDATA=rbind(ModernDATA, c("East Germany","Eastern European Group"))
ModernDATA=rbind(ModernDATA, c("West Germany","Western European and Others Group (WEOG)"))

tail(ModernDATA)
```

```
##                 Country.Name                            Modern.Region
```

```
## 192           United Kingdom Western European and Others Group (WEOG)
## 193 United States of America Western European and Others Group (WEOG)
## 194               Yugoslavia                   Eastern European Group
## 195           Czechoslovakia                   Eastern European Group
## 196             East Germany                   Eastern European Group
## 197             West Germany Western European and Others Group (WEOG)
```

Create a variable with the standardized country names:

```
options(width=80)
ModernDATA$StandardName=FavoriteCountryName(ModernDATA$Country.Name)
```

```
## [1] "The unique input and output where input and output do not match are:"
##            Unique.Inputs.Truncated                Out
## 7                      Cabo Verde         Cape Verde
## 13                 CÃ´te d'Ivoire        Ivory Coast
## 14  Democratic Republic of the Con                DRC
## 52     United Republic of Tanzania           Tanzania
## 63  Democratic People's Republic o        North Korea
## 67      Iran (Islamic Republic of)               Iran
## 71                       Kazakhsta         Kazakhstan
## 75           Lao People's Republic               Laos
## 80  Micronesia (Federated States o         Micronesia
## 91                Republic of Korea        South Korea
## 97             Syrian Arab Republic              Syria
## 124             Republic of Moldova            Moldova
## 130 The former Yugoslav Republic o Macedonia, TFYR of
## 137 Bolivia (Plurinational State o             Bolivia
## 164 Venezuela (Bolivarian  Republi           Venezuela
## 193       United States of America      United States
```

```
dim(ModernDATA)[1]==length(unique(ModernDATA$StandardName))
```

```
## [1] TRUE
```

Simplify/Shorten Region Names

```
levels(ModernDATA$Modern.Region)
```

```
## [1] "African Group"
## [2] "Asia-Pacific Group"
## [3] "Eastern European Group"
## [4] "Latin American and Caribbean Group (GRULAC)"
## [5] "Western European and Others Group (WEOG)"
```

```
ModernDATA$Modern.Region=as.character(ModernDATA$Modern.Region)

ModernDATA$Modern.Region=str_replace(ModernDATA$Modern.Region,
                                     "Latin American and Caribbean Group (GRULAC)",
```

```
                                    "GRULAC")
ModernDATA$Modern.Region=str_replace(ModernDATA$Modern.Region,
                                    "Western European and Others Group (WEOG)",
                                    "WEOG")
unique(ModernDATA$Modern.Region)
```

```
## [1] "African Group"
## [2] "Asia-Pacific Group"
## [3] "Eastern European Group"
## [4] "Latin American and Caribbean Group (GRULAC)"
## [5] "Western European and Others Group (WEOG)"
```

Add Arab League Indicator

```
ModernRegions=merge(ModernDATA, League, by="StandardName", all.x=TRUE)
head(ModernRegions)
```

```
##          StandardName        Country.Name
## 1         Afghanistan         Afghanistan
## 2             Albania             Albania
## 3             Algeria             Algeria
## 4             Andorra             Andorra
## 5              Angola              Angola
## 6 Antigua and Barbuda Antigua and Barbuda
##                                 Modern.Region LeagueArabStates
## 1                           Asia-Pacific Group             <NA>
## 2                       Eastern European Group             <NA>
## 3                                African Group          Algeria
## 4    Western European and Others Group (WEOG)             <NA>
## 5                                African Group             <NA>
## 6 Latin American and Caribbean Group (GRULAC)             <NA>
```

```
ModernRegions$Modern.Region=paste0(ModernRegions$Modern.Region,
                                    ifelse(is.na(ModernRegions$LeagueArabStates),"",
                                           " - League Arab States" ))

sort(unique(ModernRegions$Modern.Region))
```

```
## [1] "African Group"
## [2] "African Group - League Arab States"
## [3] "Asia-Pacific Group"
## [4] "Asia-Pacific Group - League Arab States"
## [5] "Eastern European Group"
## [6] "Latin American and Caribbean Group (GRULAC)"
## [7] "Western European and Others Group (WEOG)"
```

```
#write.csv(ModernRegions, "03_UNRegions - ModernRegions.csv")
#save(ModernRegions, file="03_UNRegions - ModernRegions.RData")
```

Transform modern regions data to country-year format

```
options(width=80)
CurrentYear=as.numeric(substr(Sys.Date(),1,4))
Year=1966:CurrentYear
StandardName=unique(ModernRegions$StandardName)
ModernCountryYear=merge(Year, StandardName)
names(ModernCountryYear)=c("Year", "StandardName")
head(ModernCountryYear)
```

```
##   Year StandardName
## 1 1966  Afghanistan
## 2 1967  Afghanistan
## 3 1968  Afghanistan
## 4 1969  Afghanistan
## 5 1970  Afghanistan
## 6 1971  Afghanistan
```

```
names(ModernCountryYear); names(ModernRegions)
```

```
## [1] "Year"         "StandardName"
```

```
## [1] "StandardName"     "Country.Name"     "Modern.Region"    "LeagueArabStates"
```

```
ModernCountryYearRegions=merge(ModernCountryYear,
                     ModernRegions)
dim(ModernCountryYearRegions)
```

```
## [1] 9850    5
```

Merge Early Regions with Modern Regions

```
options(width=80)
names(EarlyCountryYearRegions)
```

```
## [1] "StandardName"     "Year"             "Country.Name"     "Previous.Region1"
## [5] "Previous.Region2"
```

```
names(EarlyCountryYearRegions)=c( "StandardName", "Year", "Country.Name", "Region1", "Region2")
head(EarlyCountryYearRegions)
```

```
##   StandardName Year Country.Name             Region1 Region2
## 1    Argentina 1946    Argentina Latin American Seat    <NA>
## 2    Argentina 1947    Argentina Latin American Seat    <NA>
## 3    Argentina 1948    Argentina Latin American Seat    <NA>
## 4    Argentina 1949    Argentina Latin American Seat    <NA>
## 5    Argentina 1950    Argentina Latin American Seat    <NA>
## 6    Argentina 1951    Argentina Latin American Seat    <NA>
```

```
names(ModernCountryYearRegions)
```

```
## [1] "StandardName"     "Year"             "Country.Name"     "Modern.Region"
## [5] "LeagueArabStates"
```

```
ModernCountryYearRegions$LeagueArabStates=NA
names(ModernCountryYearRegions)=c( "StandardName", "Year", "Country.Name", "Region1", "Region2")
table(ModernCountryYearRegions$Region1)
```

```
##
##                                African Group
##                                         2200
##          African Group - League Arab States
##                                          500
##                            Asia-Pacific Group
##                                         2150
##     Asia-Pacific Group - League Arab States
##                                          550
##                       Eastern European Group
##                                         1300
## Latin American and Caribbean Group (GRULAC)
##                                         1650
##    Western European and Others Group (WEOG)
##                                         1500
```

```
head(ModernCountryYearRegions)
```

```
##   StandardName Year Country.Name            Region1 Region2
## 1  Afghanistan 1966  Afghanistan Asia-Pacific Group      NA
## 2  Afghanistan 1967  Afghanistan Asia-Pacific Group      NA
## 3  Afghanistan 1968  Afghanistan Asia-Pacific Group      NA
## 4  Afghanistan 1969  Afghanistan Asia-Pacific Group      NA
## 5  Afghanistan 1970  Afghanistan Asia-Pacific Group      NA
## 6  Afghanistan 1971  Afghanistan Asia-Pacific Group      NA
```

```
DATAAllRegionsLong=rbind(
                    EarlyCountryYearRegions[, which(names(EarlyCountryYearRegions) %in%
                                                    c("StandardName", "Year", "Region1", "Region2"))],
                    ModernCountryYearRegions[, which(names(ModernCountryYearRegions) %in%
                                                     c("StandardName", "Year",  "Region1", "Region2"))]
                    )
dim(DATAAllRegionsLong)
```

```
## [1] 10790     4
```

```
head(DATAAllRegionsLong);tail(DATAAllRegionsLong)
```

```
##   StandardName Year             Region1 Region2
## 1    Argentina 1946 Latin American Seat    <NA>
## 2    Argentina 1947 Latin American Seat    <NA>
```

```
## 3    Argentina 1948 Latin American Seat    <NA>
## 4    Argentina 1949 Latin American Seat    <NA>
## 5    Argentina 1950 Latin American Seat    <NA>
## 6    Argentina 1951 Latin American Seat    <NA>
```

```
##       StandardName Year       Region1 Region2
## 10785     Zimbabwe 2010 African Group    <NA>
## 10786     Zimbabwe 2011 African Group    <NA>
## 10787     Zimbabwe 2012 African Group    <NA>
## 10788     Zimbabwe 2013 African Group    <NA>
## 10789     Zimbabwe 2014 African Group    <NA>
## 10790     Zimbabwe 2015 African Group    <NA>
```

```
table(DATAAllRegionsLong$Region1,useNA = "ifany")
```

```
##
##                            Commonwealth Seat
##                                          160
##              Eastern European and Asia Seat
##                                          200
##                          Latin American Seat
##                                          240
##                          Middle Eastern Seat
##                                          180
##                       Western European Seat
##                                          160
##                           Asia-Pacific Group
##                                         2150
##                       Eastern European Group
##                                         1300
##          African Group - League Arab States
##                                          500
##    Western European and Others Group (WEOG)
##                                         1500
##                                African Group
##                                         2200
## Latin American and Caribbean Group (GRULAC)
##                                         1650
##     Asia-Pacific Group - League Arab States
##                                          550
```

```
table(DATAAllRegionsLong$Region2, useNA = "ifany")
```

```
##
## Middle Eastern Seat                <NA>
##                  20               10770
```

Save Output

```r
write.csv(DATAAllRegionsLong, "03_UNRegions - DATAAllRegionsLong.csv")
save(DATAAllRegionsLong, file="03_UNRegions - DATAAllRegionsLong.RData")
```