Project

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Sunday, February 28, 2016

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class number

```
#getting data from www.usaid.gov/
data <- read.csv("https://explorer.usaid.gov/prepared/us_foreign_aid_country.csv")
names(data)
```

```
##  [1] "country_id"              "country_code"
##  [3] "country_name"            "region_id"
##  [5] "region_name"             "assistance_category_id"
##  [7] "assistance_category_name" "transaction_type_id"
##  [9] "transaction_type_name"   "fiscal_year"
## [11] "current_amount"          "constant_amount"
```

```
summary(data$fiscal_year)
```

```
##    1946    1947    1948    1949    1950    1951    1952    1953    1954    1955
##      53      53      43      46      63      81     106     100     115     125
##    1956    1957    1958    1959    1960    1961    1962    1963    1964    1965
##     134     133     144     149     158     175     184     185     177     174
##    1966    1967    1968    1969    1970    1971    1972    1973    1974    1975
##     172     173     158     158     157     158     156     155     150     156
##    1976  1976tq    1977    1978    1979    1980    1981    1982    1983    1984
##     149     135     158     152     156     160     167     182     187     194
##    1985    1986    1987    1988    1989    1990    1991    1992    1993    1994
##     202     204     209     218     214     232     241     255     271     259
##    1995    1996    1997    1998    1999    2000    2001    2002    2003    2004
##     274     285     282     285     301     297     619     642     646     659
##    2005    2006    2007    2008    2009    2010    2011    2012    2013    2014
##     696     700     714     744     760     749     742     739     715     366
##    2015
##     293
```

```
summary(data$region_name)
```

```
##           East Asia and Oceania            Europe and Eurasia
##                           2559                          3385
## Middle East and North Africa       South and Central Asia
##                           1923                          1327
##            Sub-Saharan Africa           Western Hemisphere
##                           5408                          4556
##                          World
##                            286
```

```
E.Asia_Ocn <- data[which(data$region_name=="East Asia and Oceania"),]
Eu_As <- data[which(data$region_name=="Europe and Eurasia"),]
SCAsia <- data[which(data$region_name=="South and Central Asia"),]

year <- c(1946:2015)


TOT <- NULL
for(i in 1:length(year)){
  TOT[i] <- sum(data[which(data$fiscal_year==year[i]),]$current_amount)}

E.Asia_Ocn1 <- NULL
for(i in 1:length(year)){
  E.Asia_Ocn1[i] <- sum(E.Asia_Ocn[which(E.Asia_Ocn$fiscal_year==year[i]),]$current_amount)}

Eu_As1 <- NULL
for(i in 1:length(year)){
  Eu_As1[i] <- sum(Eu_As[which(Eu_As$fiscal_year==year[i]),]$current_amount)}

SCAsia1 <- NULL
for(i in 1:length(year)){
  SCAsia1[i] <- sum(SCAsia[which(SCAsia$fiscal_year==year[i]),]$current_amount)}




plot(year,TOT,type="l",col=1)
lines(year,E.Asia_Ocn1,type="l",col=4)
lines(year,Eu_As1,type="l",col=3)
lines(year,SCAsia1,type="l",col=2)
```
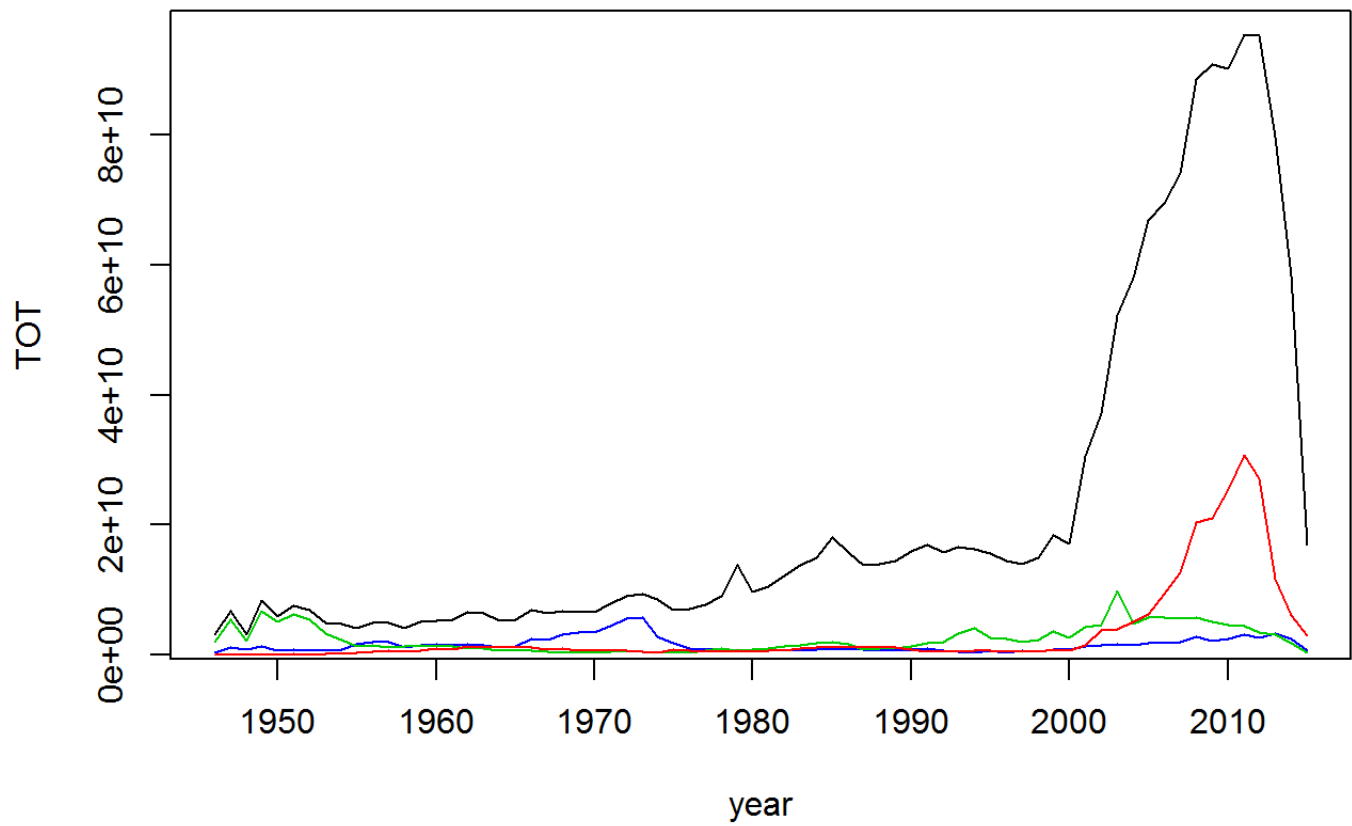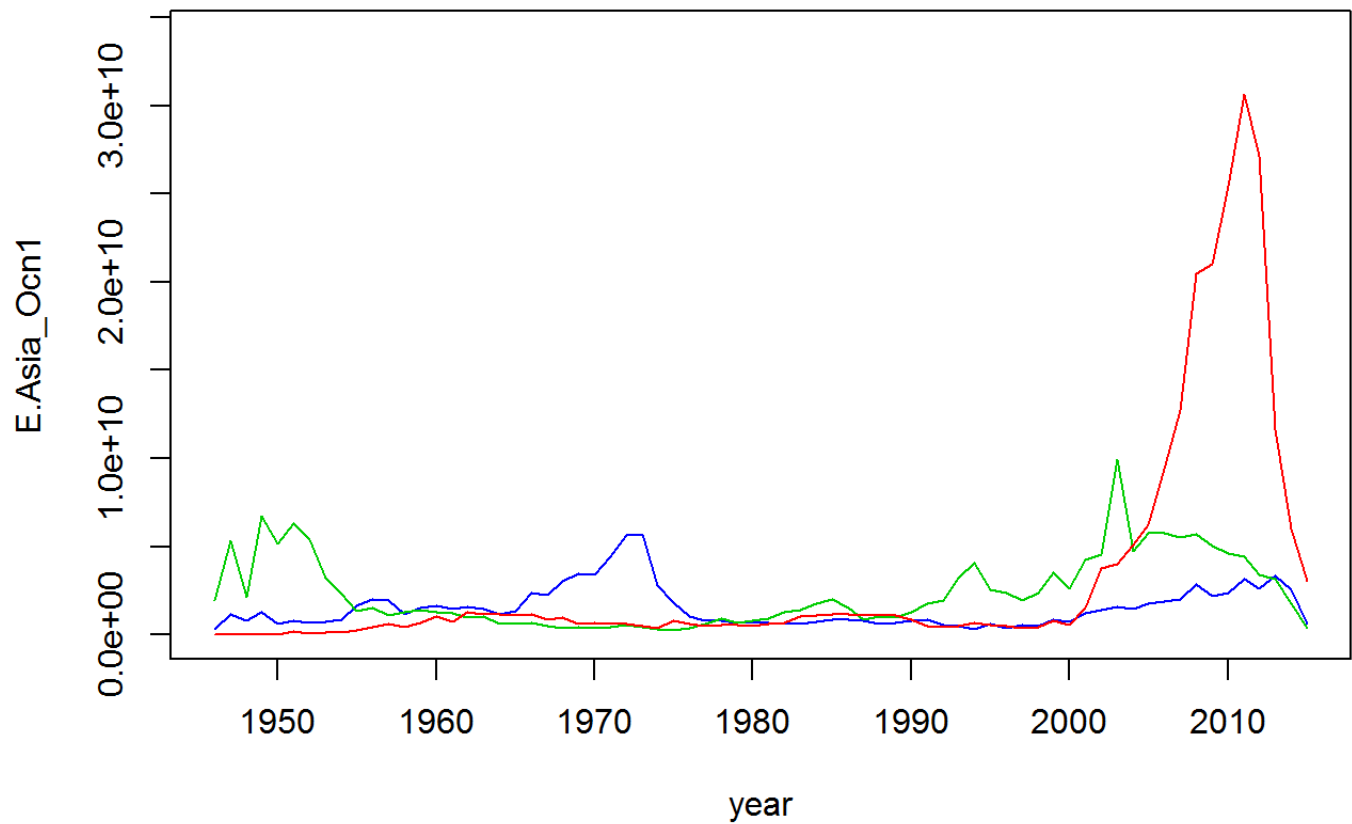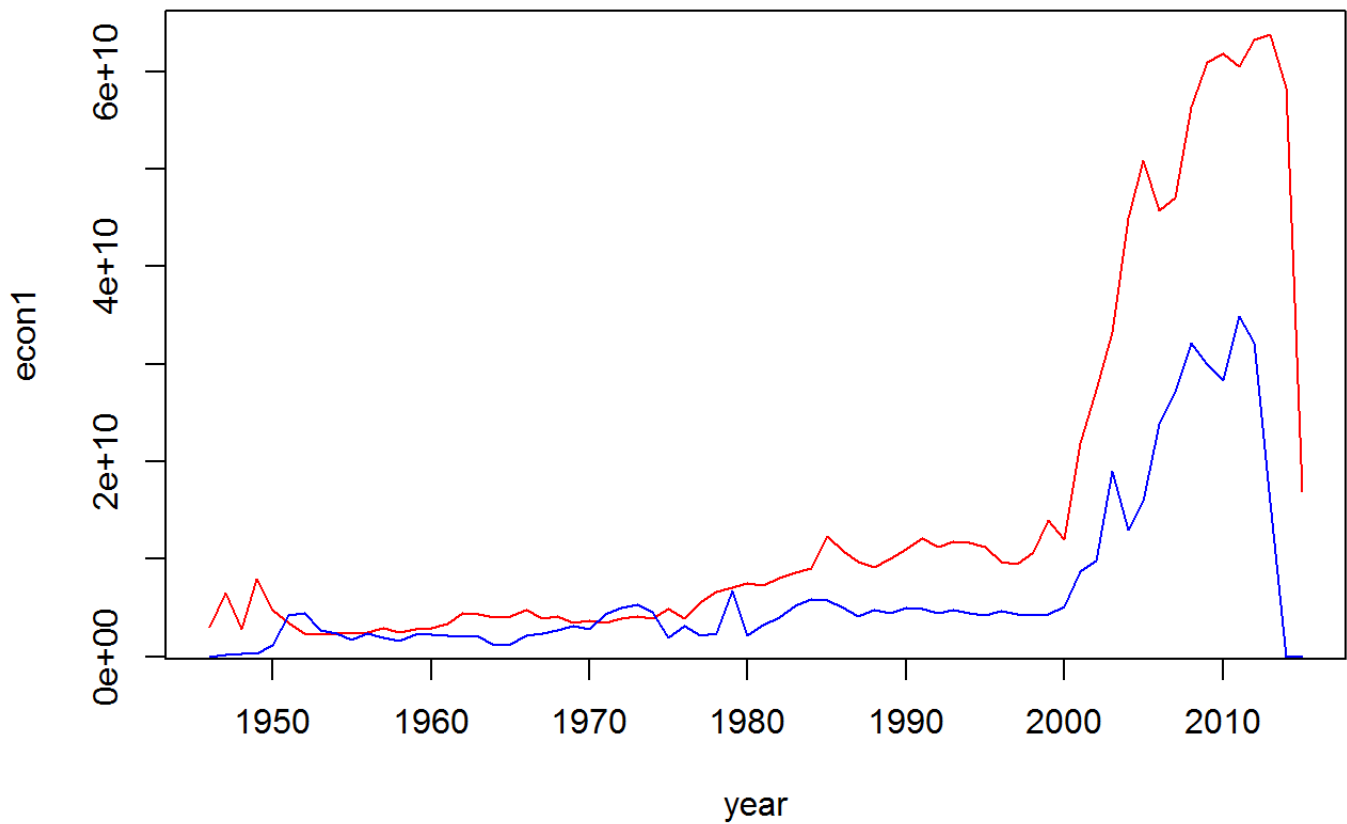
```
plot(year,E.Asia_Ocn1,type="l",col=4,ylim=c(0,3.4*10^10))
lines(year,Eu_As1,type="l",col=3)
lines(year,SCAsia1,type="l",col=2)
```

```
econ <- data[which(data$assistance_category_name=="Economic"),]
econ1 <- NULL
for(i in 1:length(year)){
  econ1[i] <- sum(econ[which(econ$fiscal_year==year[i]),]$current_amount)}

mil <- data[which(data$assistance_category_name=="Military"),]
mil1 <- NULL
for(i in 1:length(year)){
  mil1[i] <- sum(mil[which(mil$fiscal_year==year[i]),]$current_amount)}


plot(year,econ1,type="l",col="red")
lines(year,mil1,type="l",col="blue")
```
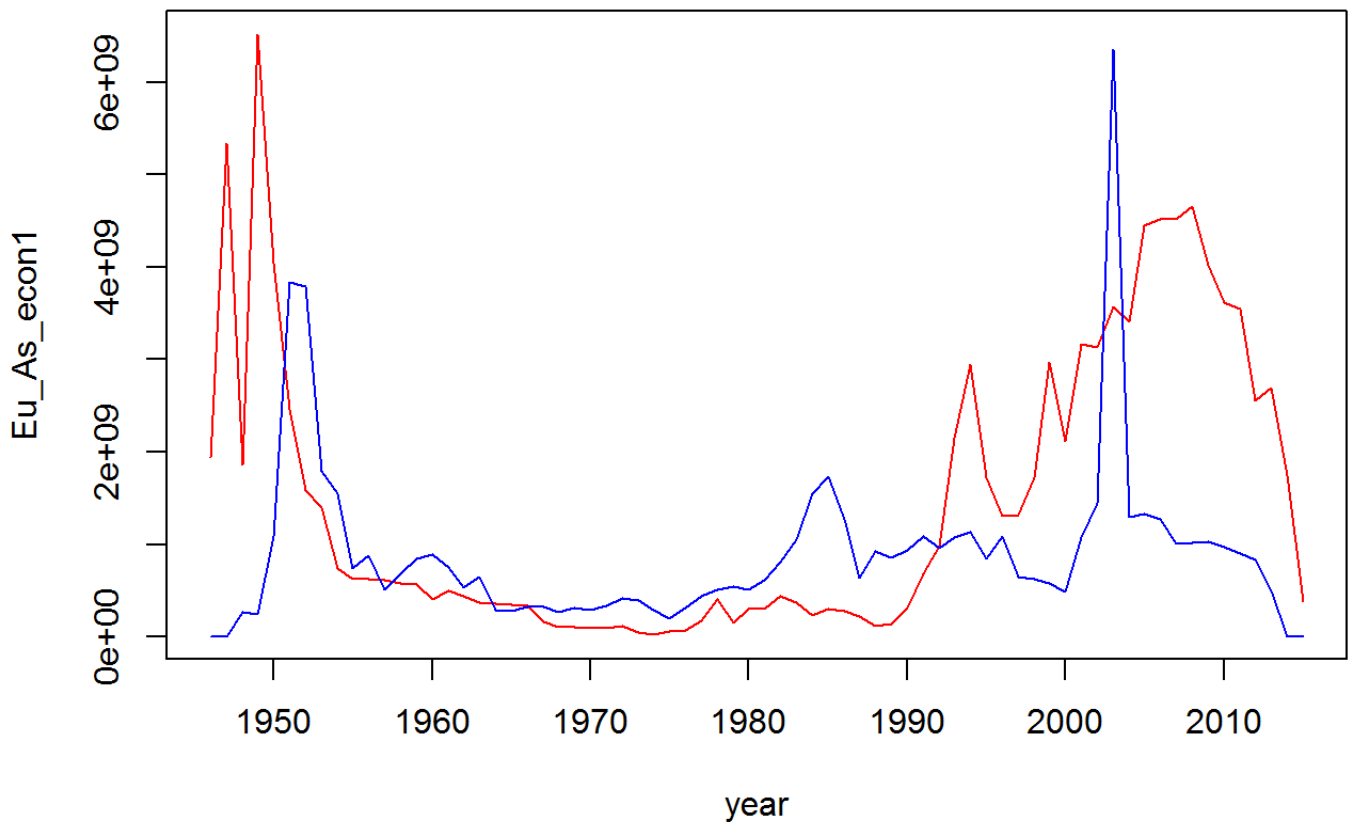
```
#Euro - Asia
Eu_As_econ <- Eu_As[which(Eu_As$assistance_category_name=="Economic"),]
Eu_As_econ1 <- NULL
for(i in 1:length(year)){
  Eu_As_econ1[i] <- sum(Eu_As_econ[which(Eu_As_econ$fiscal_year==year[i]),]$current_amount)}

Eu_As_mil <- Eu_As[which(Eu_As$assistance_category_name=="Military"),]
Eu_As_mil1 <- NULL
for(i in 1:length(year)){
  Eu_As_mil1[i] <- sum(Eu_As_mil[which(Eu_As_mil$fiscal_year==year[i]),]$current_amount)}


plot(year,Eu_As_econ1,type="l",col="red")
lines(year,Eu_As_mil1,type="l",col="blue")
```
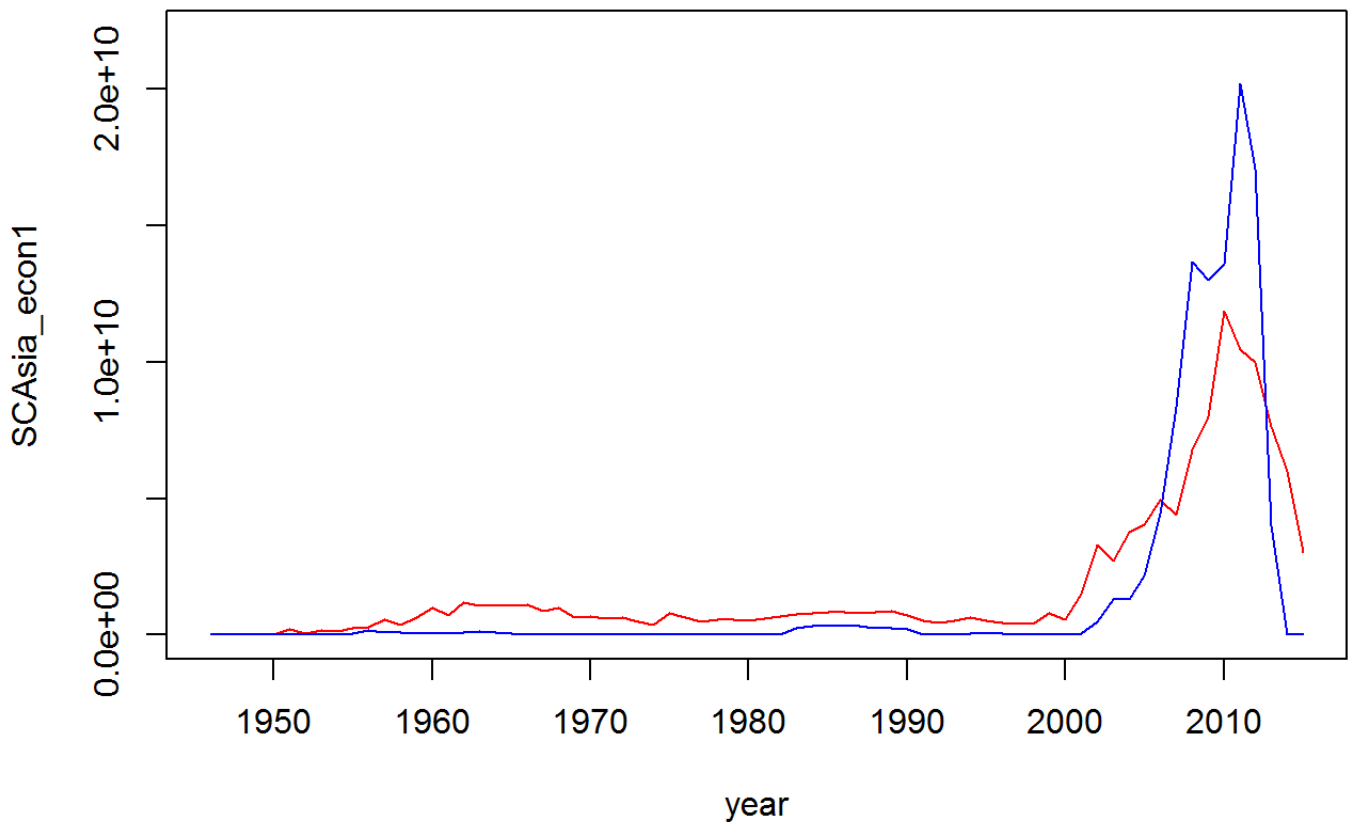
```
#South - Central Asia
SCAsia_econ <- SCAsia[which(SCAsia$assistance_category_name=="Economic"),]
SCAsia_econ1 <- NULL
for(i in 1:length(year)){
  SCAsia_econ1[i] <- sum(SCAsia_econ[which(SCAsia_econ$fiscal_year==year[i]),]$current_amoun
t)}

SCAsia_mil <- SCAsia[which(SCAsia$assistance_category_name=="Military"),]
SCAsia_mil1 <- NULL
for(i in 1:length(year)){
  SCAsia_mil1[i] <- sum(SCAsia_mil[which(SCAsia_mil$fiscal_year==year[i]),]$current_amount)}


plot(year,SCAsia_econ1,type="l",col="red",ylim=c(0,2.2*10^10))
lines(year,SCAsia_mil1,type="l",col="blue")
```

```
#Asia - Oceania
E.Asia_Ocn_econ <- E.Asia_Ocn[which(E.Asia_Ocn$assistance_category_name=="Economic"),]
E.Asia_Ocn_econ1 <- NULL
for(i in 1:length(year)){
  E.Asia_Ocn_econ1[i] <- sum(E.Asia_Ocn_econ[which(E.Asia_Ocn_econ$fiscal_year==year[i]),]$cu
rrent_amount)}


E.Asia_Ocn_mil <- E.Asia_Ocn[which(E.Asia_Ocn$assistance_category_name=="Military"),]
E.Asia_Ocn_mil1 <- NULL
for(i in 1:length(year)){
  E.Asia_Ocn_mil1[i] <- sum(E.Asia_Ocn_mil[which(E.Asia_Ocn_mil$fiscal_year==year[i]),]$curre
nt_amount)}



plot(year,E.Asia_Ocn_econ1,type="l",col="red",ylim=c(0,5*10^9))
lines(year,E.Asia_Ocn_mil1,type="l",col="blue")
```