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CIS 320

Project Report

This project I was focused on US Aid, the data I selected was from [usaid.org](http://www.usaid.org). The data was dated first in 1950 and until 2010. The first thing I did was retrieve the data from the [usaid.org](http://www.usaid.org) website.

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

After I retrieve the data from the website, I summarized the data set by years and region and characterize them into groups. When the different region is characterized, this will make the analysis process much easier and more convenient.

```
## 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
```

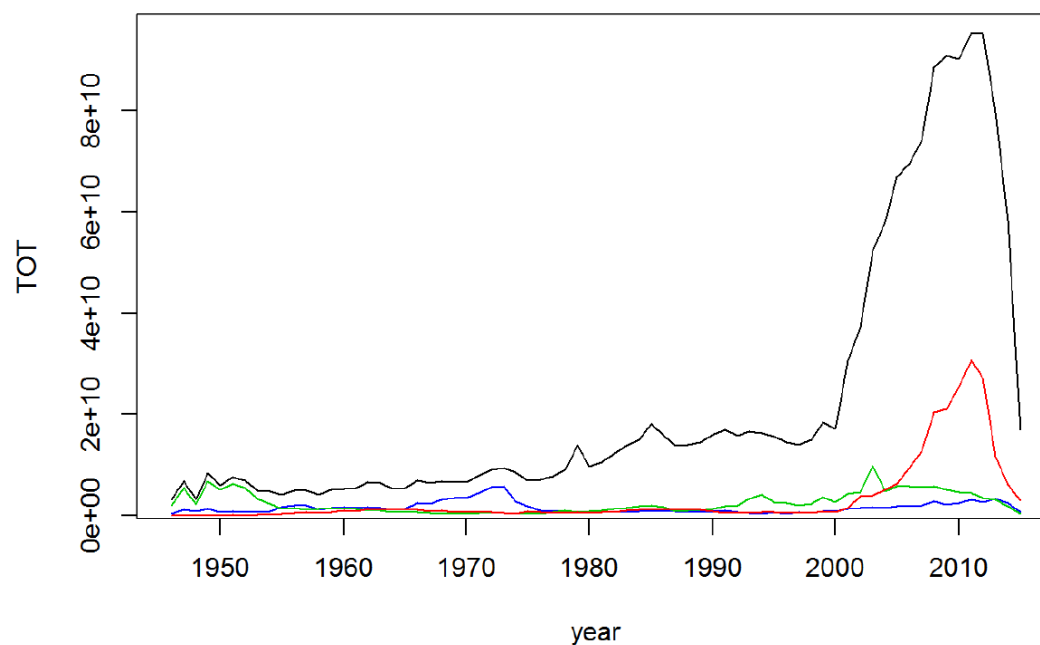
```
## East Asia and Oceania Europe and Eurasia  
## 2559 3385  
## Middle East and North Africa South and Central Asia  
## 1923 1327  
## Sub-Saharan Africa Western Hemisphere  
## 5408 4556  
## World  
## 286
```

Data

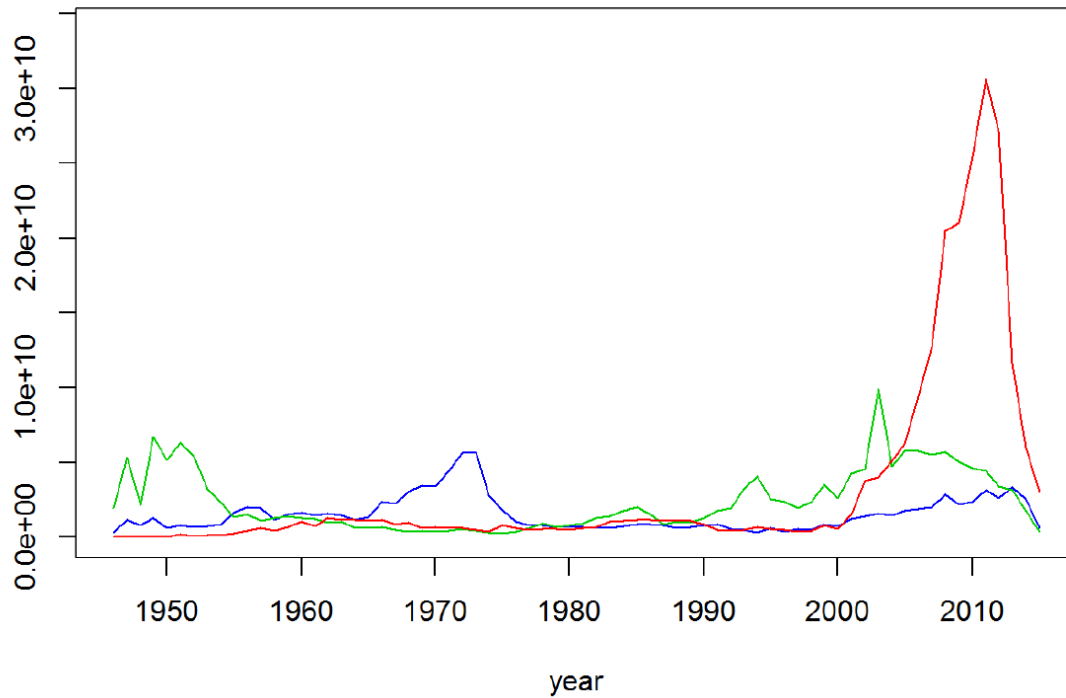
data	19444 obs. of 12 variables
E.Asia_Ocn	2559 obs. of 12 variables
Eu_As	3385 obs. of 12 variables
ME_NA	1923 obs. of 12 variables
S_Sa_Afr	5408 obs. of 12 variables
SCAsia	1327 obs. of 12 variables
We_Hem	4556 obs. of 12 variables
Wrld	286 obs. of 12 variables

For my analysis, I was focused on Aid for Asia area, East Asia and Oceania, Europe and Eurasia and South and Central Asia. In the analysis, I will use R to demonstrate the changes and difference of Aid in different region of Asia.

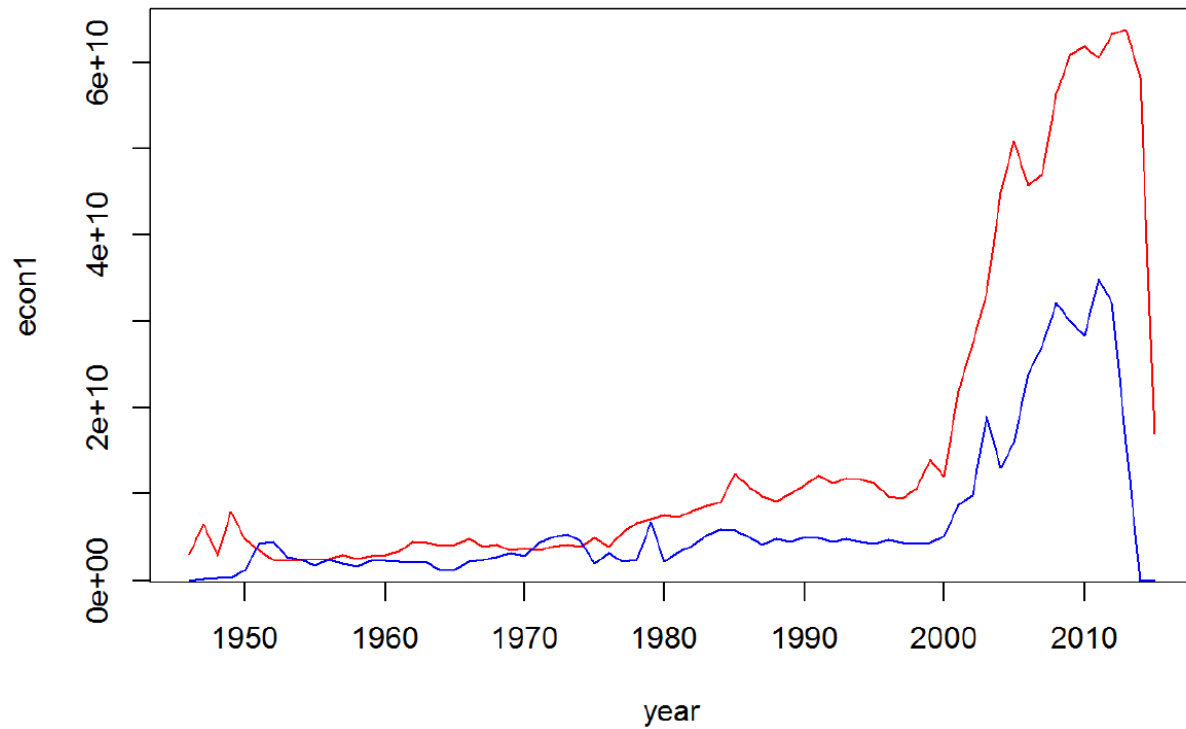
First, I will compare the three different region of Asia and their weight compare to the overall amount of aid sent. From the figure below, most of the aid in the 1950s was towards Europe and Eurasia possible reason is World War II. After 1955, there are significant decrease of aid towards Europe and Eurasia because the aid was sent to help rebuild. And around 1970s, East Asia and Oceania receive about half of the total aid. The possible reason would be the Vietnam War. From 1975 to 2000, there are very few aid sent towards Asia area. In 2005, the aid to South Central Asia was rising, because after U.S. deploy troops to Afghanistan to fight the war, aid was sent there to help rebuild. The oversea aid was at peak in 2010 to 2012. Beginning from 2013, the aid started to decrease significantly.



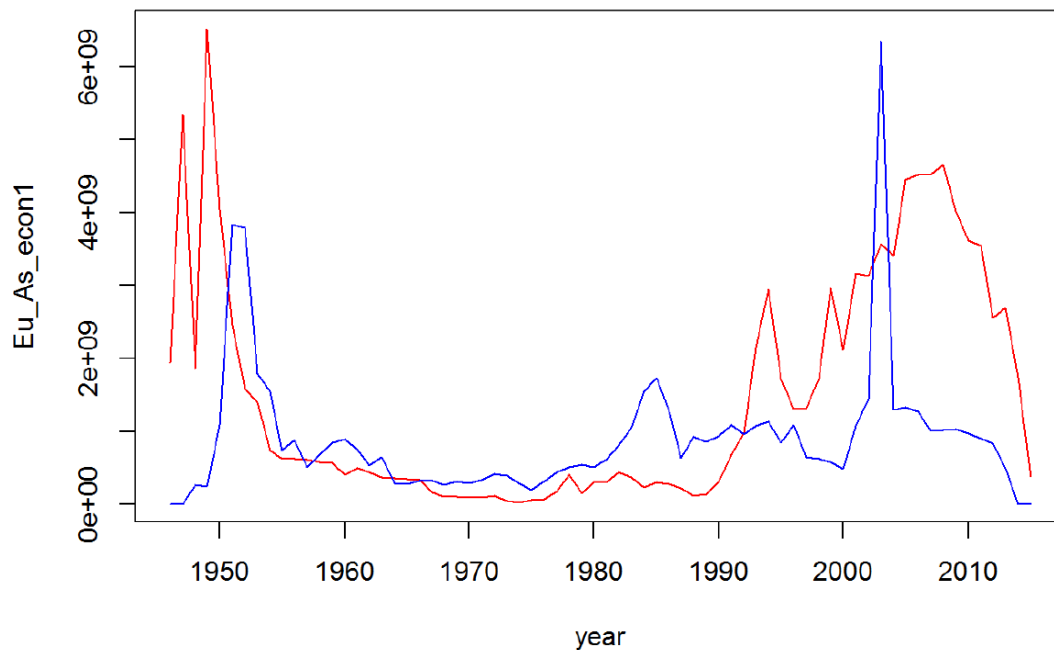
The following figure is the graph to show more detail of the aid over the years for the three area. Green is Europe and Eurasia, blue is East Asia and Red is South Central Asia.



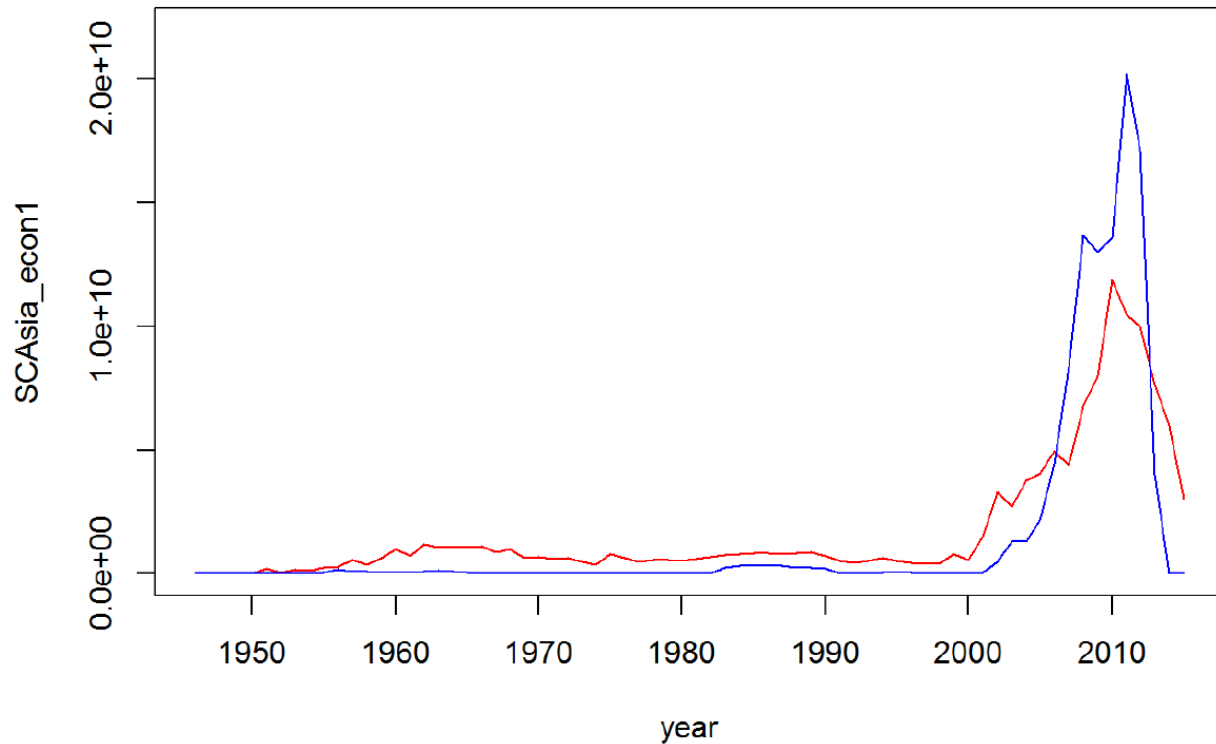
There are two type of aid U.S. sent overseas, they are military and economic. These two make up the total aid U.S. sent. For the most part, economic is U.S. preferred type of aid, there is only a few number of years that military aid exceed economic aid. It shows U.S. main focus is on economic growth.



In Europe and Eurasia, the economic and military aid both have dramatic increases and decrease. In 2003, military aid spiked in that year. And during recent years, both military and economic have decrease significantly for Europe and Eurasia region.

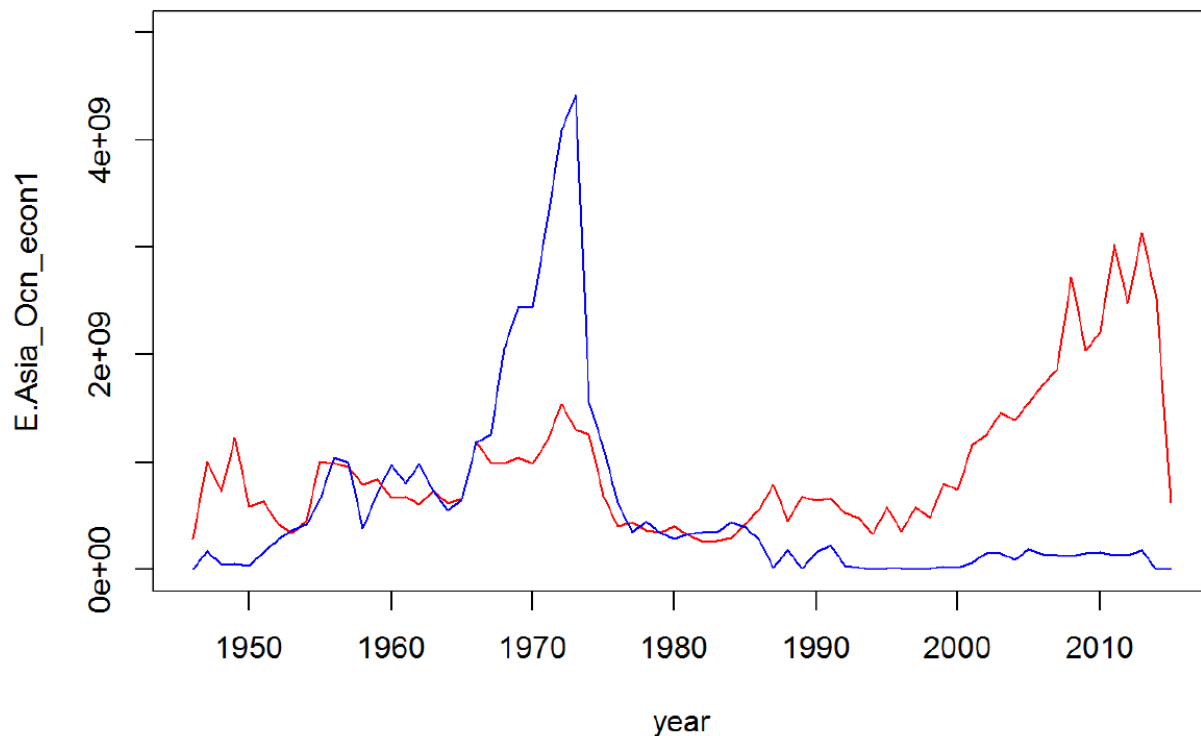


South Central Asia was aided not much until after 2000. After 2000, both military and economic aid were provided to them, because in year 2001, U.S. deploy troops to that region to fight terrorist. Therefore, the military aid has more than economic aid. And after the troops were called back, the military aid is almost zero, while economic aid still provided but has steadily decrease.



East Asia is steady over the years except around 1970s, there was significant increase of military aid, and the reason could be the Vietnam War. After the war ended, the military aid dropped and kept a steady amount. While the military aid in East Asia is not strong, the economic aid has increased in the

beginning of 2000, and recently the economic aid also dropped.



Overall, the U.S. aid to Asia is still a significant amount of the total. But because recent economic slowdown in Asia, both military and economic aid has decreased. Asia is mainly doing manufacturing for their economic growth. Because the labor cost in Asia is much cheaper than developed countries. In recent years, U.S. cut back foreign aid, therefore the aid has decrease in all three Asia region. Despite the aid cut back, the economic aid is still provided and firms can still go to those area to take advantage of those aid. But do not recommend military firm to go oversea, because there is very few military aid available in the foreign aid program.