

INDIVIDUAL PROJECT 1

Instructor: Professor Nima Zahadat

Class: Visualization of Complex Data (DATS 6401_O10)

Student: Phoebe Wu

Date: March 8, 2018

DATA SOURCE

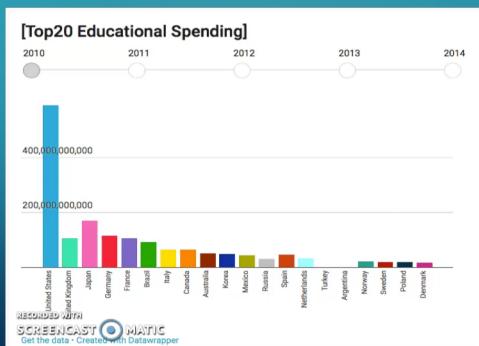
- Stockholm International Peace Research Institute (SIPRI)
(<https://www.sipri.org/research/armament-and-disarmament/arms-transfers-and-military-spending/military-expenditure>)
- The World Bank (<https://data.worldbank.org/indicator/NY.GDP.MKTP.CD>)
- Simple cleaning in Excel

THE EDUCATIONAL SPENDING AND HEALTHCARE SPENDING

- I chose the data from 2010 to 2014, and chose top 20 countries for the both areas based on the data in 2014.

Look at the chart page 

THE EDUCATIONAL SPENDING



COMPARE THE DATA TO THAT COUNTRY'S GDP

In the charts, We can see countries' ranking in both educational spending and GDP only have a little change.

Top 20 Educational Expenditure Countries' GDP (2010-2014)

Spending in USD (\$)

Country: USA, Japan, Germany, UK, France, Brazil, Italy, Russia, Canada, Australia, Korea, Spain, Mexico, Turkey, Netherlands, Sweden, Poland, Argentina, Norway, Denmark

Top 20 Educational Spending Countries (2010-2014)

Spending in USD (\$)

Country: USA, UK, Germany, France, Brazil, Canada, Italy, Australia, South Korea, Mexico, Spain, Russia, Netherlands, Norway, Turkey, Sweden, Poland, Denmark, Argentina

Average

Roughly the same!

COMPARE THE DATA TO THAT COUNTRY'S MILITARY SPENDING

Top 20 Educational Expenditure Countries' Military Spending

Country: USA, Russia, France, UK, Japan, Germany, Korea, Brazil, Italy, Australia, Canada, Turkey, Spain, Poland, Netherlands, Mexico, Norway, Sweden, Argentina, Denmark

Million USD

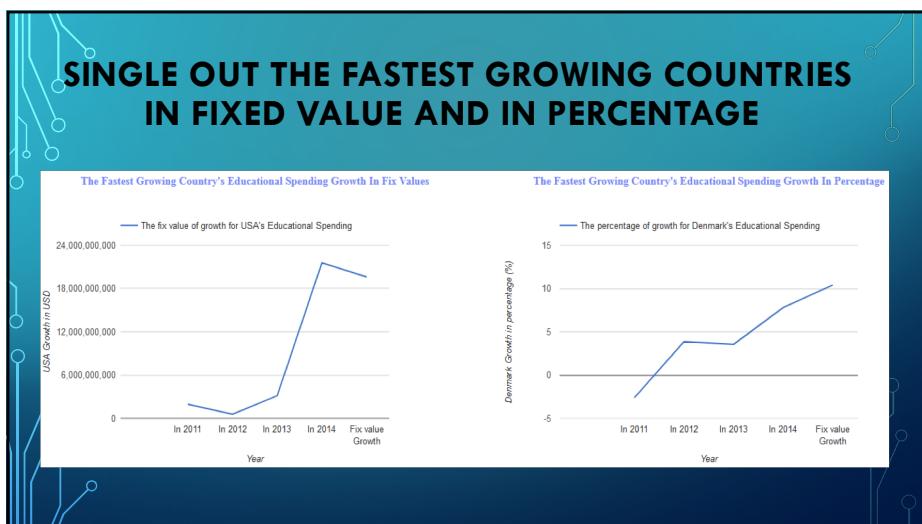
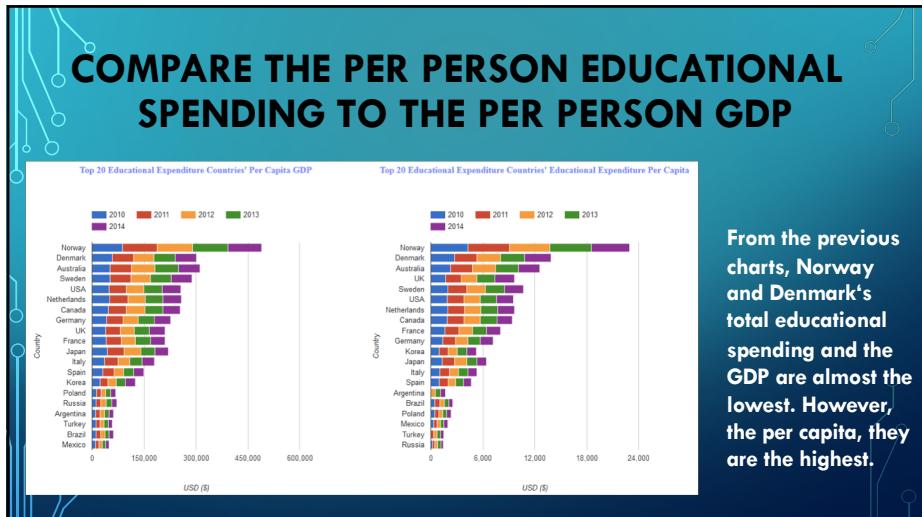
Top 20 Educational Spending Countries (2010-2014)

Spending in USD (\$)

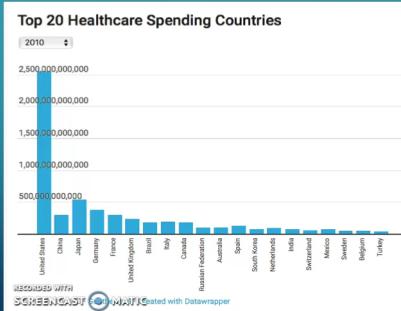
Country: USA, UK, Germany, France, Brazil, Canada, Italy, Australia, South Korea, Mexico, Spain, Russia, Netherlands, Norway, Turkey, Sweden, Poland, Denmark, Argentina

Average

- In the chart, I think the educational spending are not thing to do with the military spending.



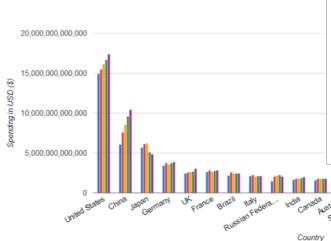
THE HEALTHCARE SPENDING



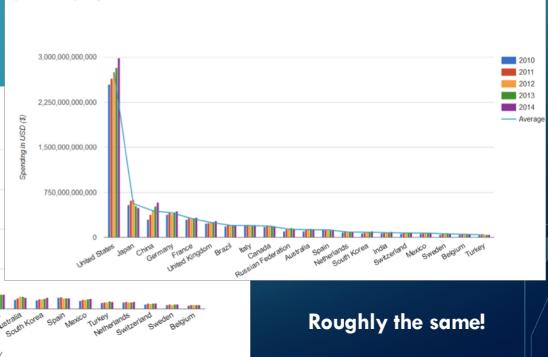
COMPARE THE DATA TO THAT COUNTRY'S GDP

In the charts,
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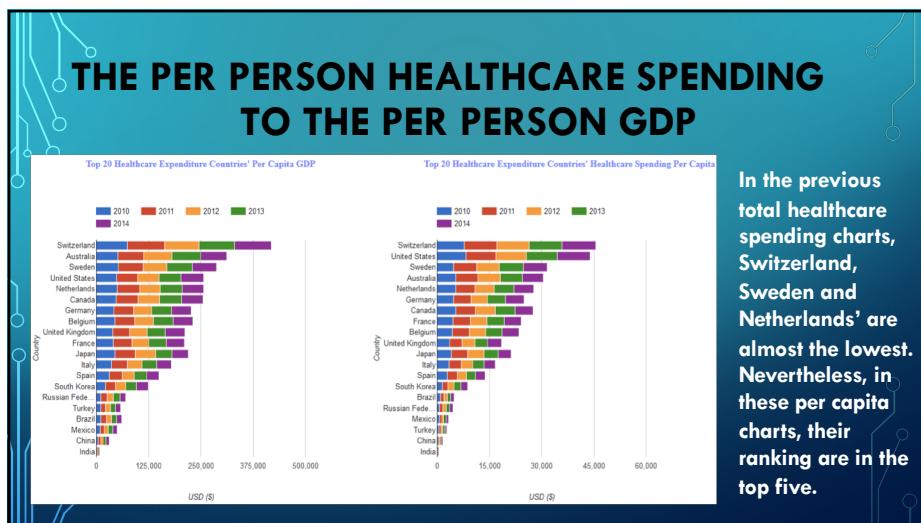
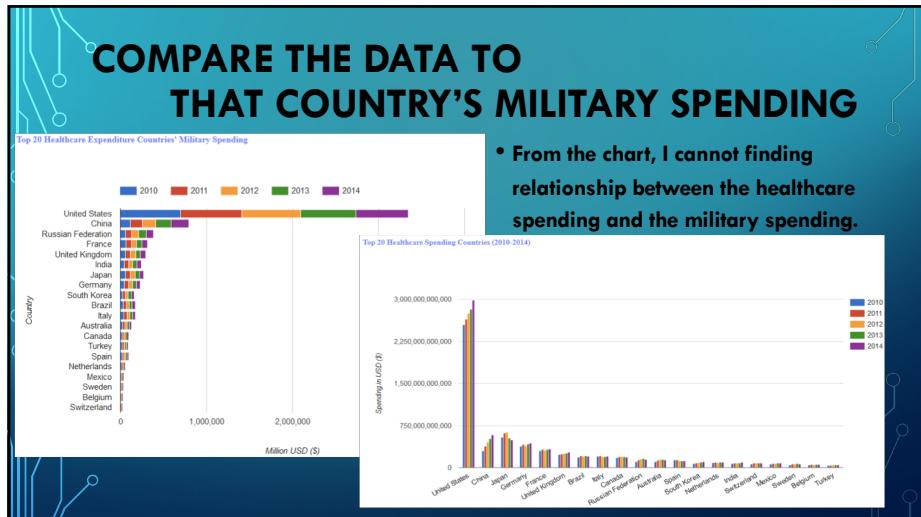
Top 20 Healthcare Expenditure Countries' GDP (2010-2014)

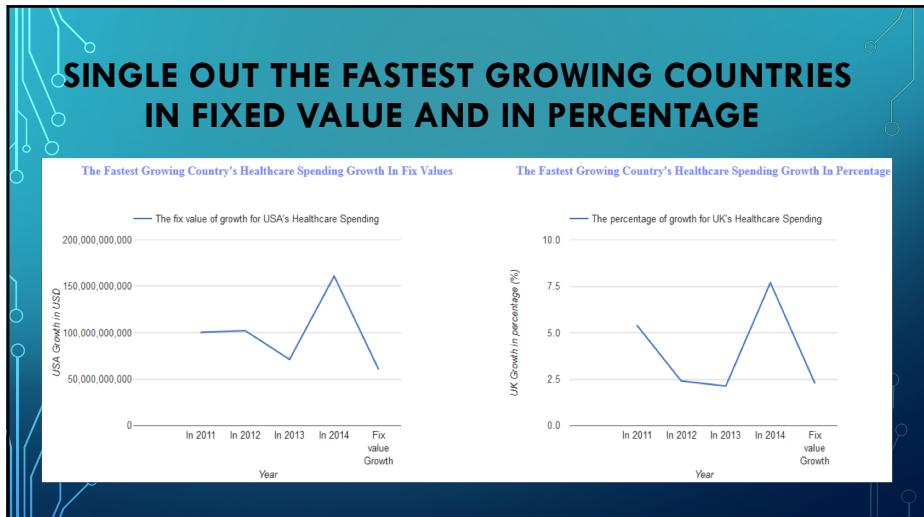


Top 20 Healthcare Spending Countries (2010-2014)



Roughly the same!







THANK YOU