China & USA Analysis of chosen economic indicators

Kacper Jędrczak Robert Lewandowski Magdalena Łabuć Natalia Szostak



Overview



Data Range: 1990-2014

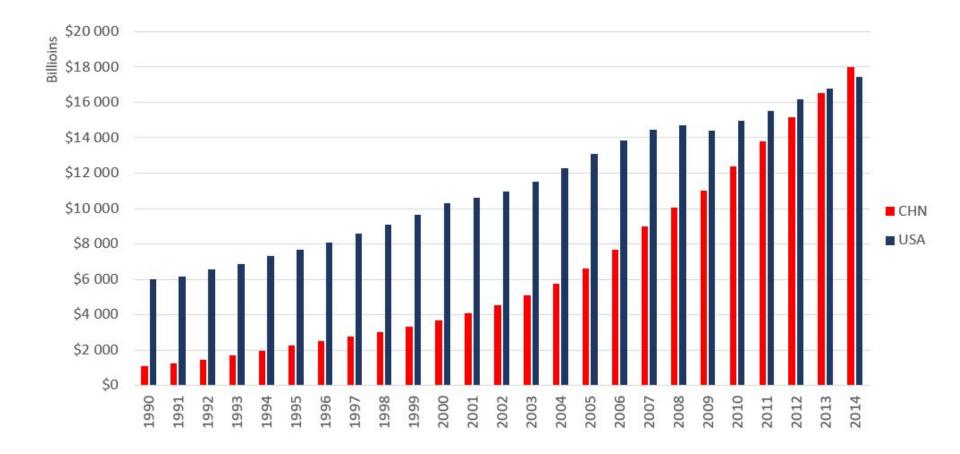
Data Sources: World Bank, economictimes, lumenlearning

China

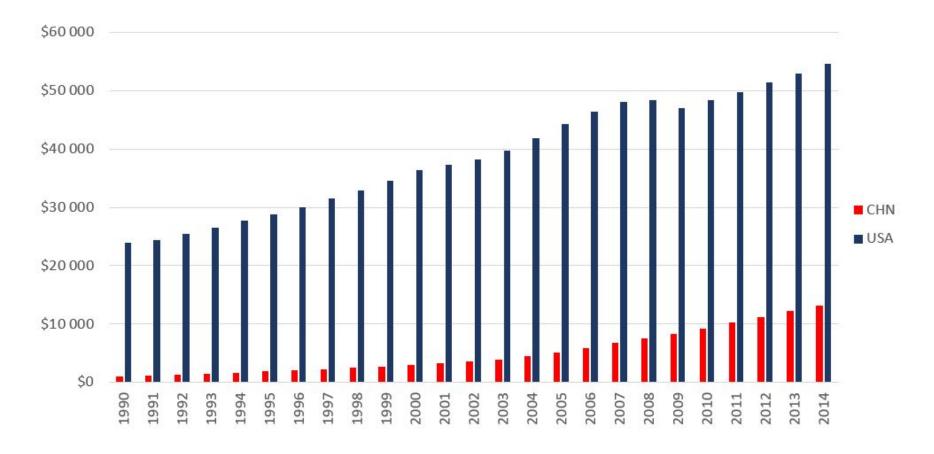
Population in 1990: 1,135,185,000 Population in 2014: 1,364,270,000

USA

Population in 1990: 249,623,000 Population in 2014: 318,857,056









Balance of payments

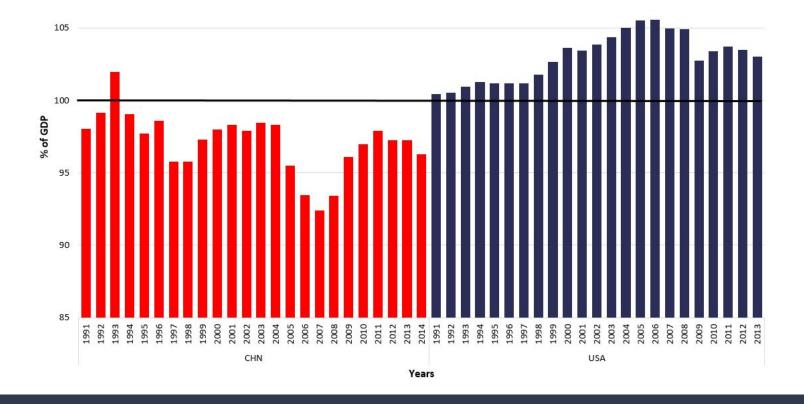
Magdalena Łabuć

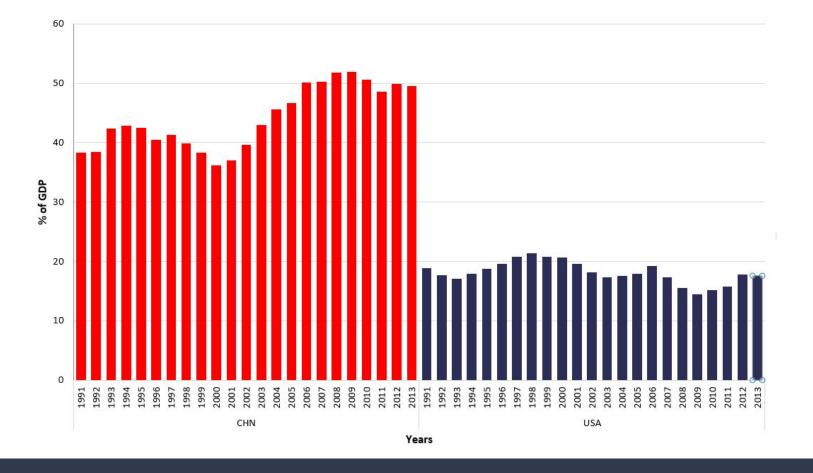


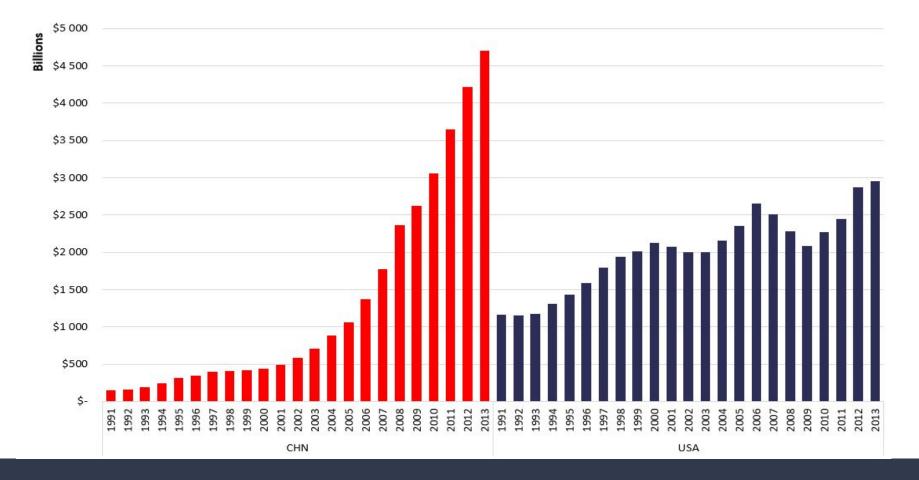
"The **expenditures** approach says GDP = consumption + investment + government **expenditure** + exports – imports."

"Gross Domestic Saving is GDP minus final consumption expenditure. It is expressed as a percentage of GDP"



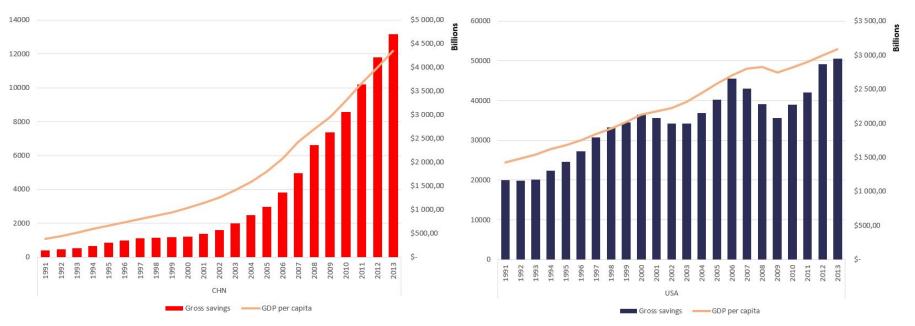












Technology

Kacper Jędrczak

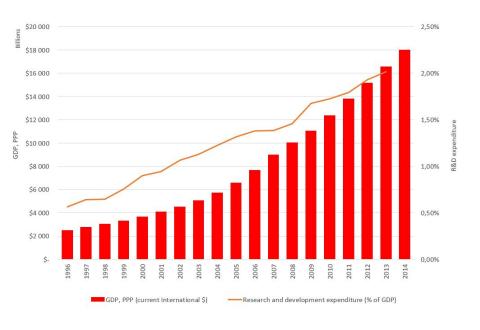


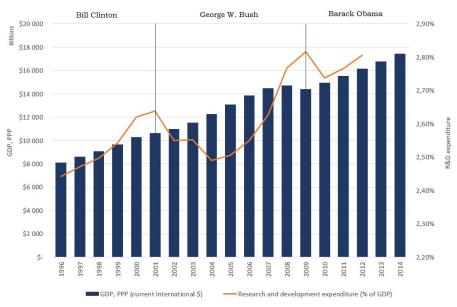


corr = 0,97

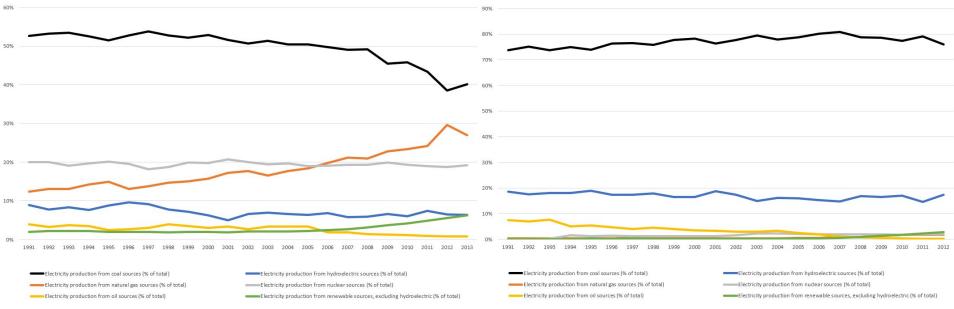


corr = 0.79









Exports

Robert Lewandowski

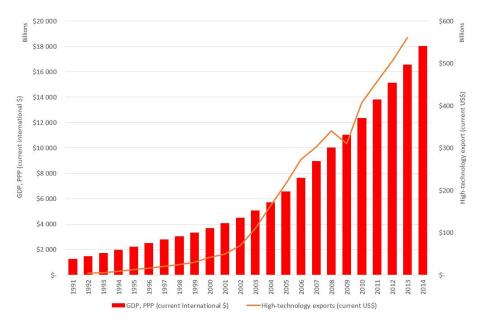


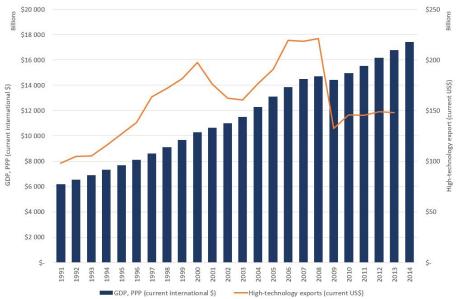


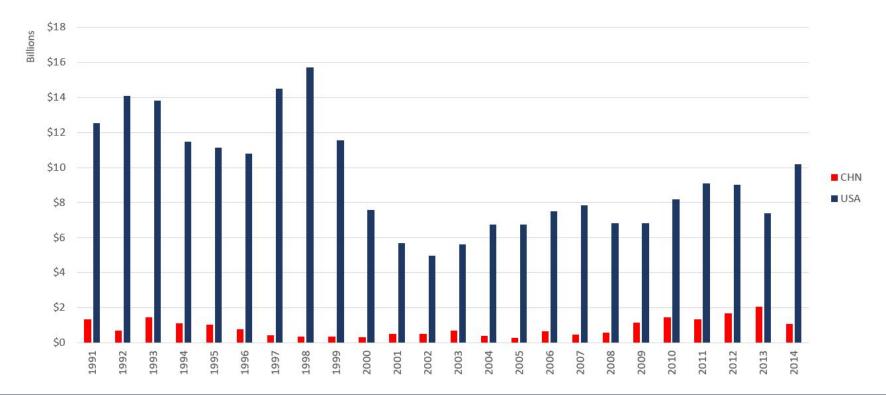
corr = 0,99



corr = 0,56

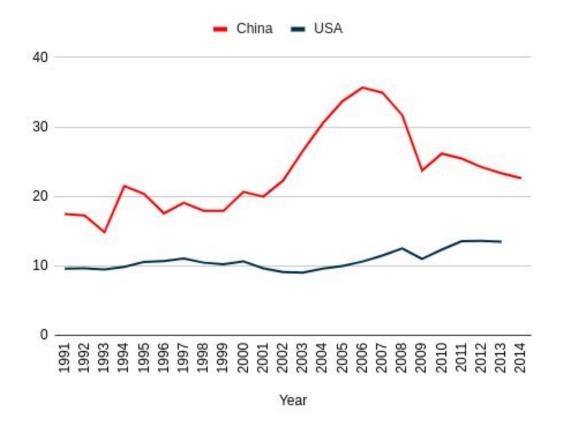








GDP, PPP and exports of goods and services



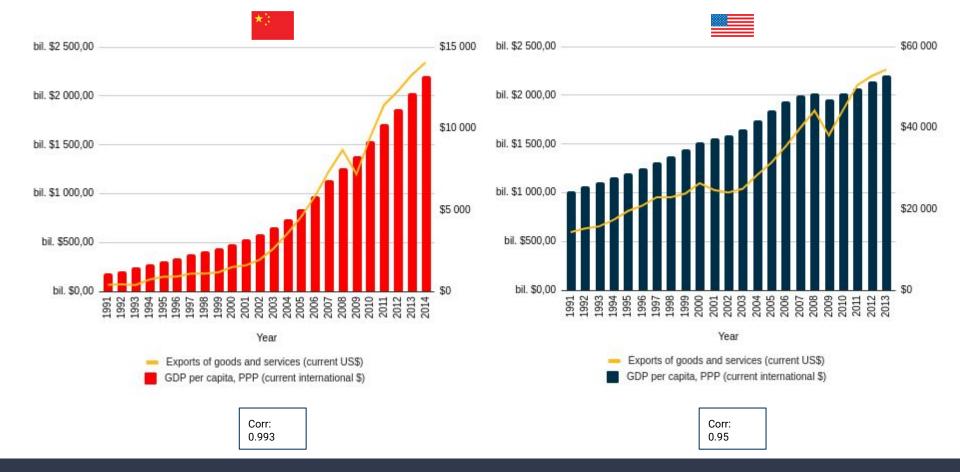


Main events:

- 2001 China's accession to the WTO
- 2007-2009 the Financial Crisis

$$Y = C + I + G + X$$

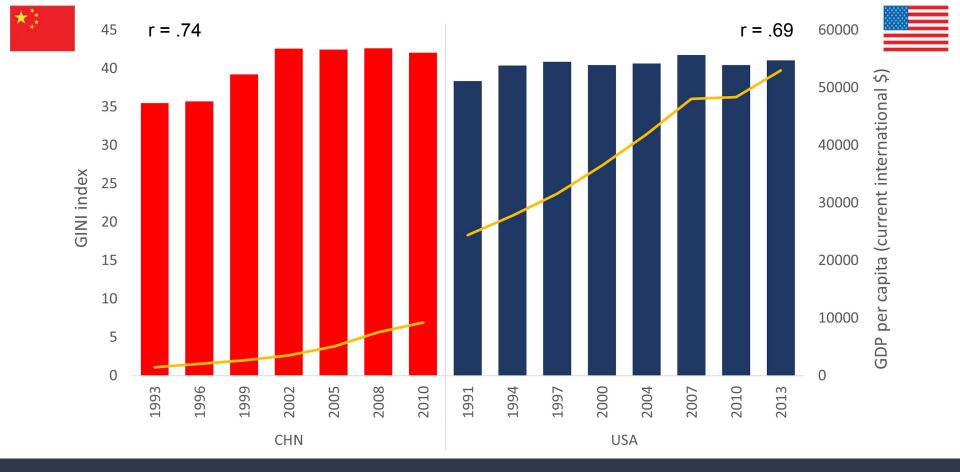
- Y Gross Domestic Product,
- C consumption,
- I investment,
- G government expenditure,
- X net exports (exports imports)



Income inequality

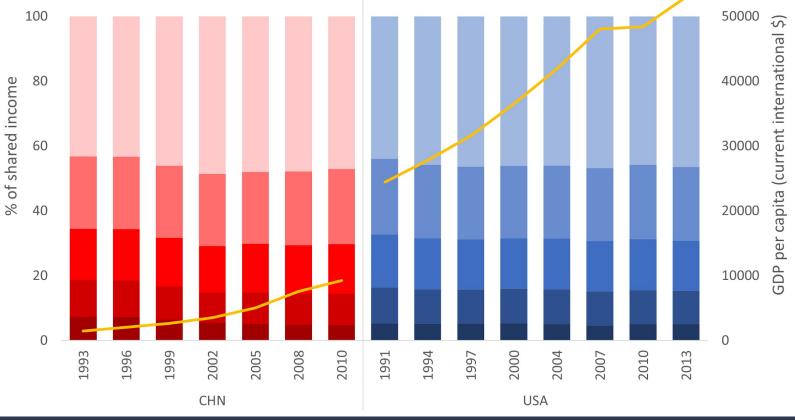
Natalia Szostak











Conclusions



Conclusions

- China has far less spending and greater savings than the US
- Large investments in science and growth of high-tech exports in China,
- In arms exports, the United States has a clear advantage,
- High correlation between GDP and exports results from the fact that exports are part of GDP and indicates that GDP grows proportionally to exports
- Exports' growth is also proportional to GDP per capita growth, which may indicate that the with exports' growth the society gets richer on average
- Increase in GDP per capita and high income inequality for both China and the USA

Thanks for your attention!

