

# LIFE EXPECTANCY GDP PROJECT

Two items were shown as economic indices: GDP and life expectancy of its citizens:

Objectives:

1. to examine relationships between two factors
2. to compare each of life expectancy and GDP among countries
3. to examine changes of the two factors over years

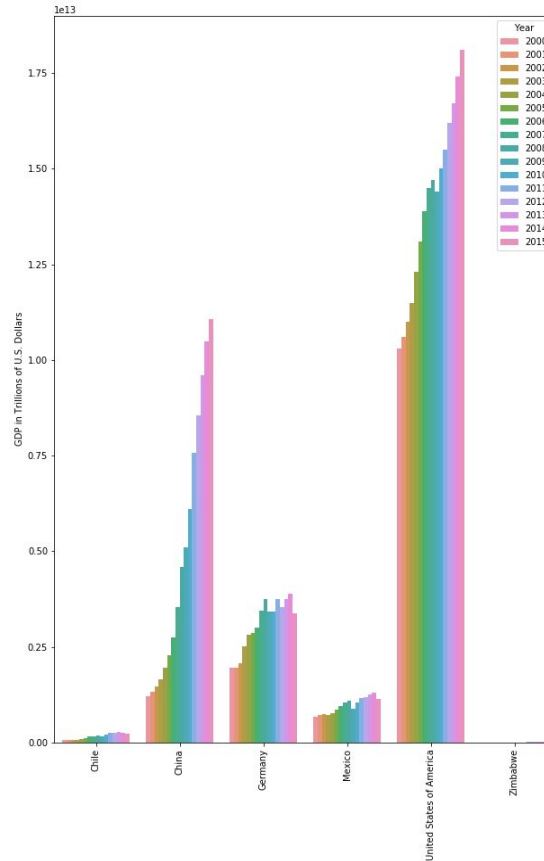
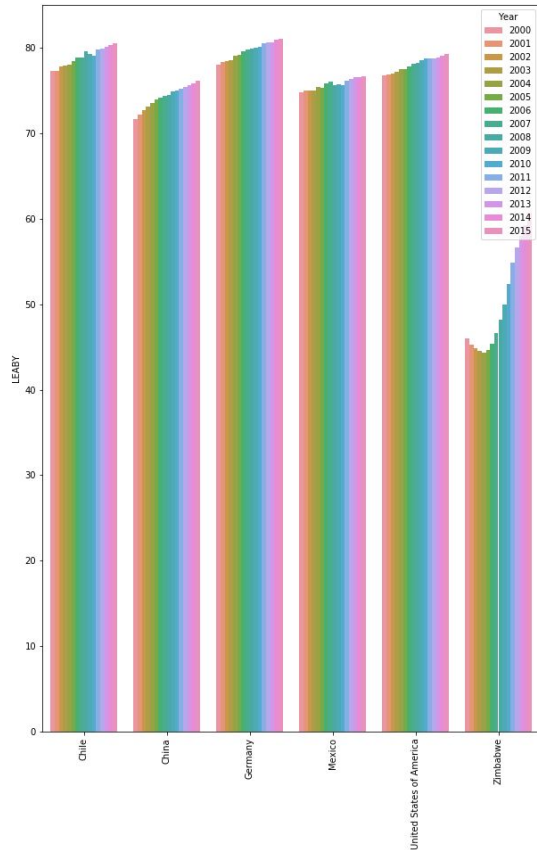
Duration: 2000-2015

Country: Chile, China, Germany, Mexico, USA, and Zimbabwe

Measured variables:

1. GDP
2. Life Expectancy

# 1. Relationship between GDP and Life Expectancy



No direct relationships were found between GDP and Life expectancy:

GDP differs in all countries in spite of similar life expectancy level in most countries except for Zimbabwe

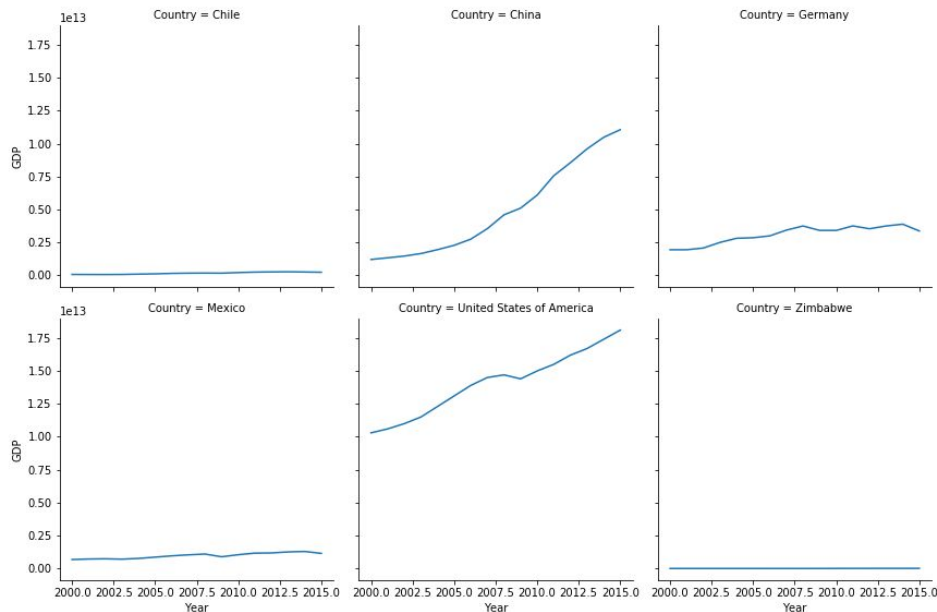
## 2-1. GDP comparison

Chile, Mexico, and Zimbabwe: GDP level of these countries has been almost same over the last 15 years

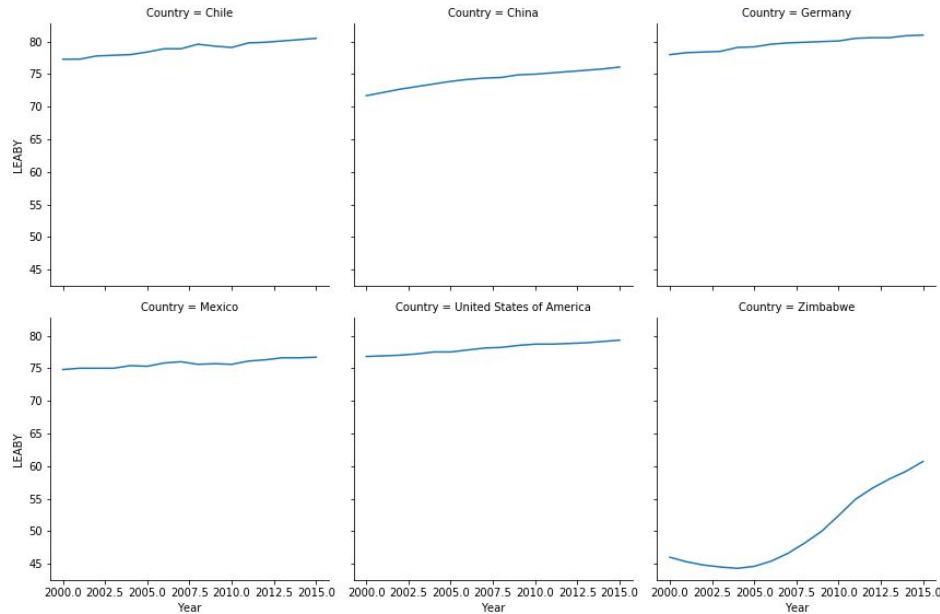
German GDP has grown a bit

China has had a very big change in GDP (especially from 2010-2012)

United States had also a period of GDP growth with recession period in 2007 (credit crunch)



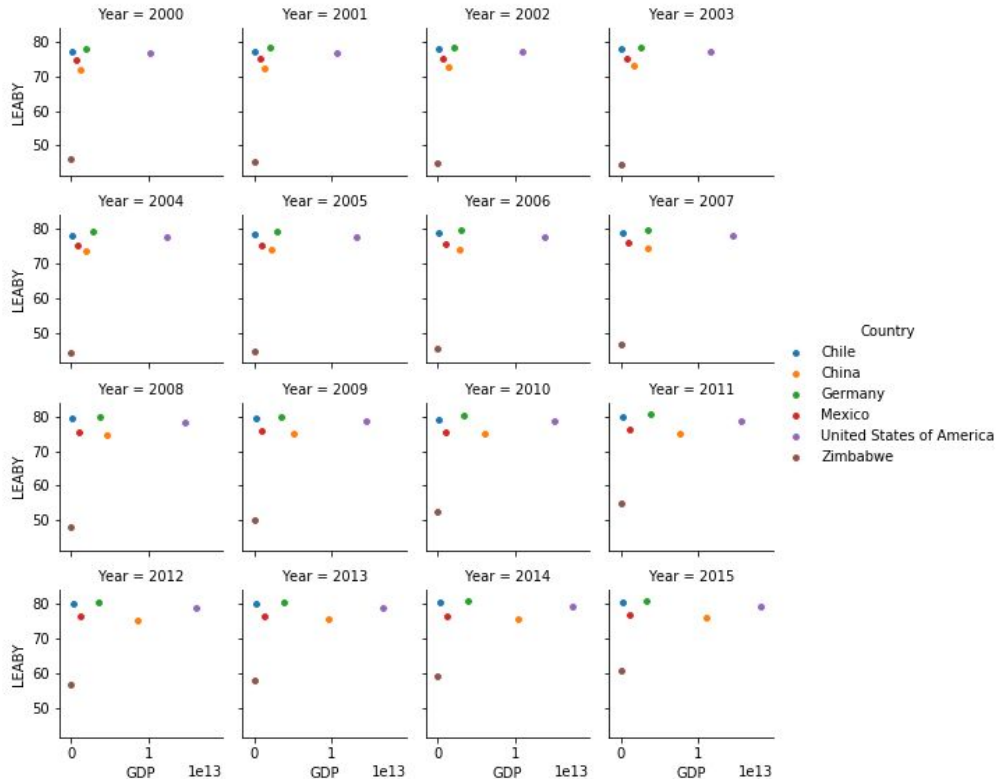
## 2-2. Life Expectancy comparison



Zimbabwe: the level was declining from 2000 to 2004, but it changed to a positive trend and has improved greatly since then

All other countries: their level was high in 2000 and has been improved slightly each year

### 3. Change of GDP and Life Expectancy over years



- Life Expectancy in Zimbabwe was very low in 2000, but came close to other countries towards 2015 although there are a room to improve to catch up with them
- China's GDP in 2000 was at the same level as Chile, Mexico and Germany, but has improved enormously towards 2015

# Conclusion

1. There is no direct connection between GDP and Life Expectancy
2. Zimbabwe's Life Expectancy has improved greatly and it needs further investigation for a better understanding
3. China's GDP level has been improved greatly since 2000 and continues to grow