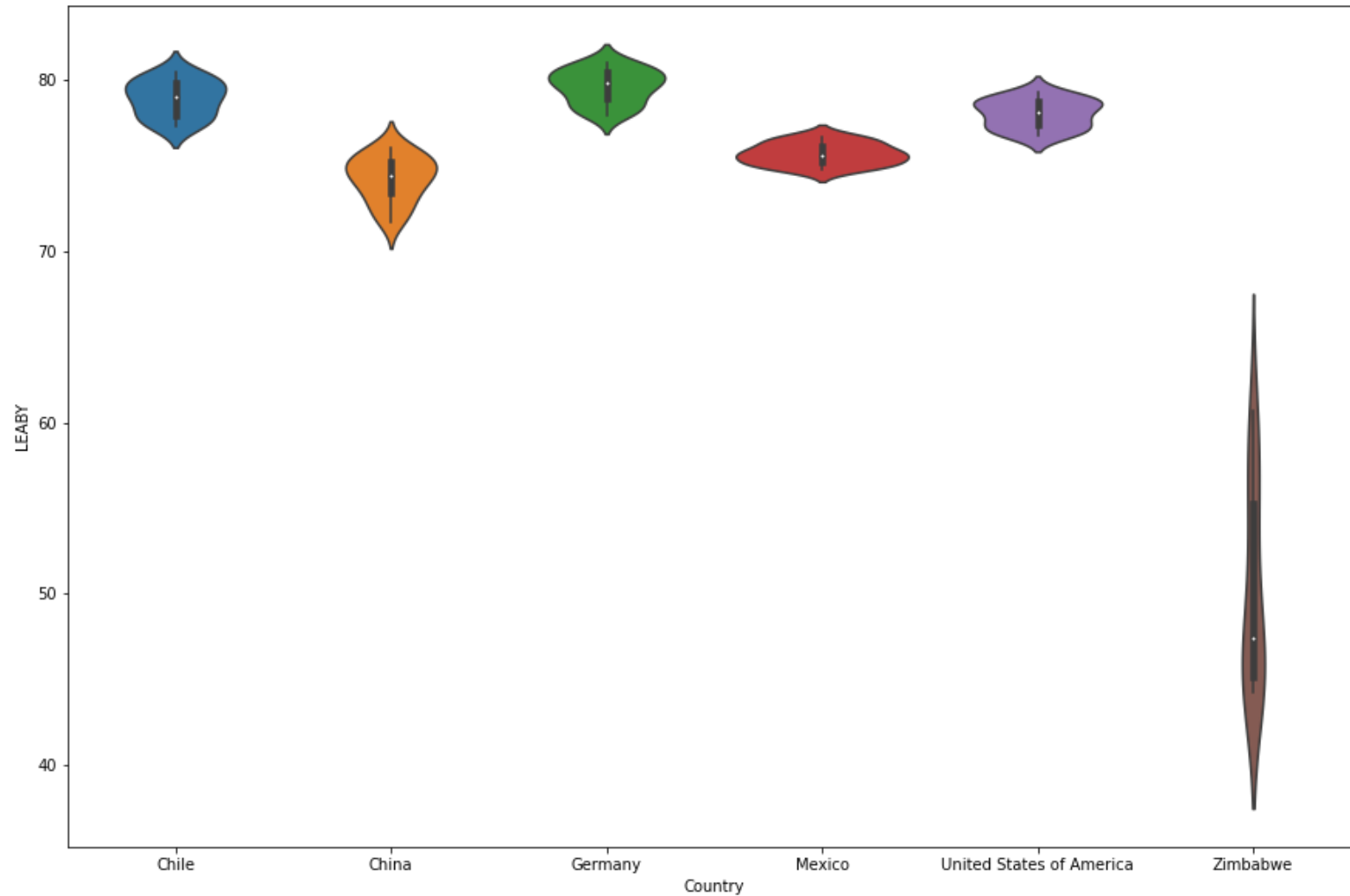


Life Expectancy and GDP

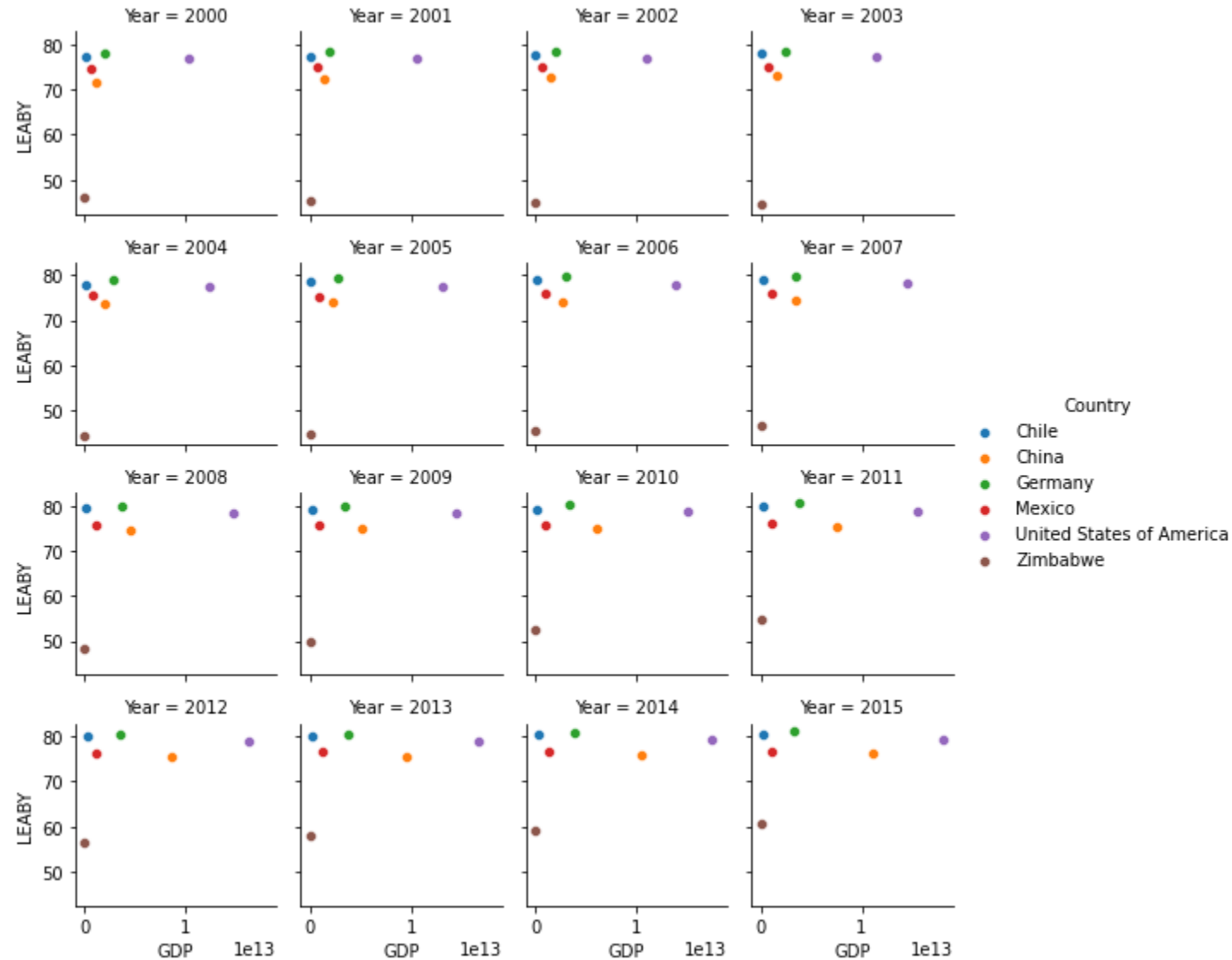
Problem Statement

- Goal:
Investigate if there is a strong correlation between the economic output of a country and the life expectancy of its citizens.
- Questions:
 - Has life expectancy increased over time in the six nations?
 - Has GDP increased over time in the six nations?
 - Is there a correlation between GDP and life expectancy of a country?
 - What is the average life expectancy in these nations?
 - What is the distribution of that life expectancy?
- GDP Source:
[World Bank](#) national accounts data, and OECD National Accounts data files. From 2000 to 2015.
- Life expectancy Data Source:
[World Health Organization](#). From 2000 to 2015.

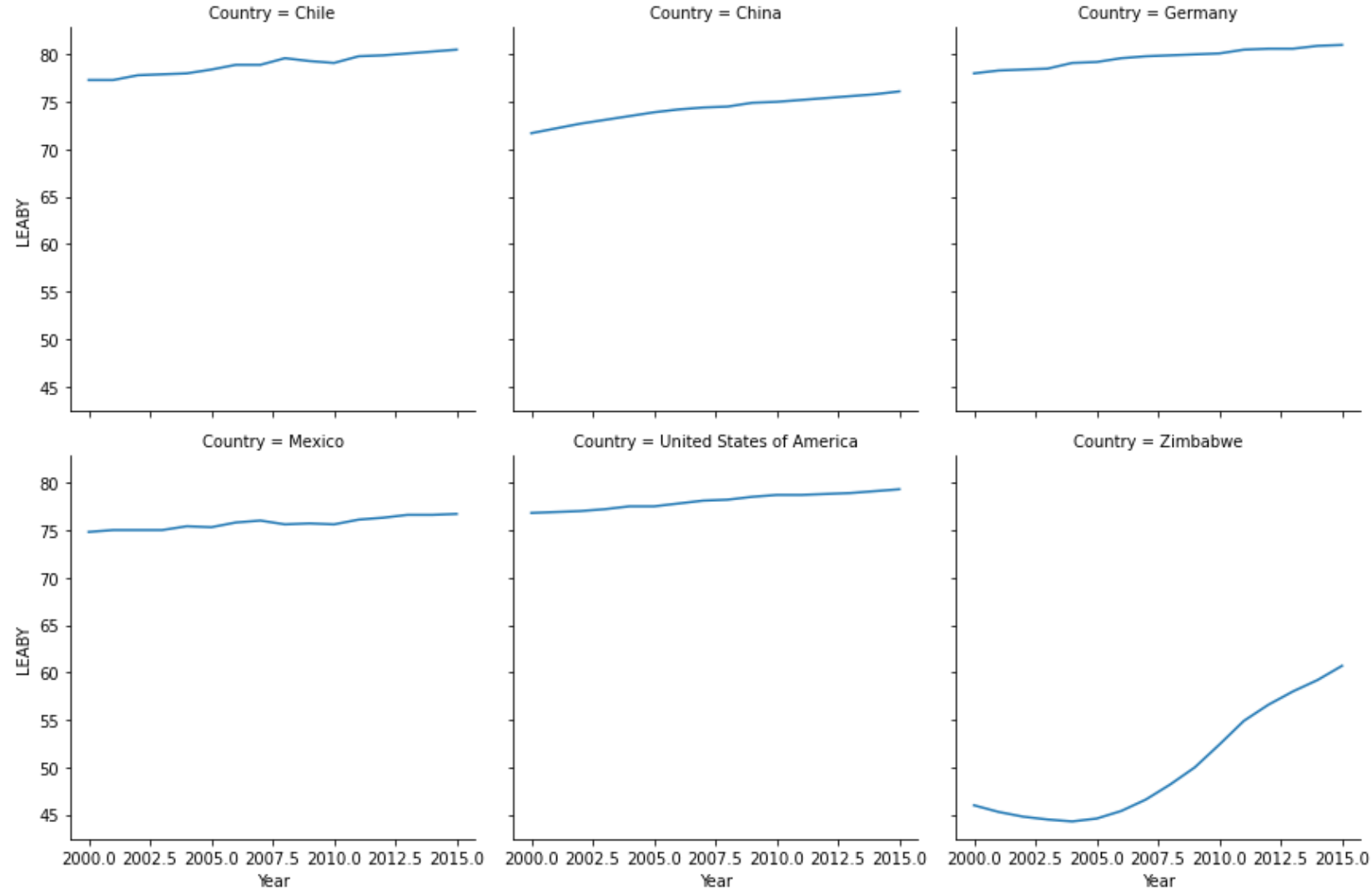
Life Expectancy Distribution by Country



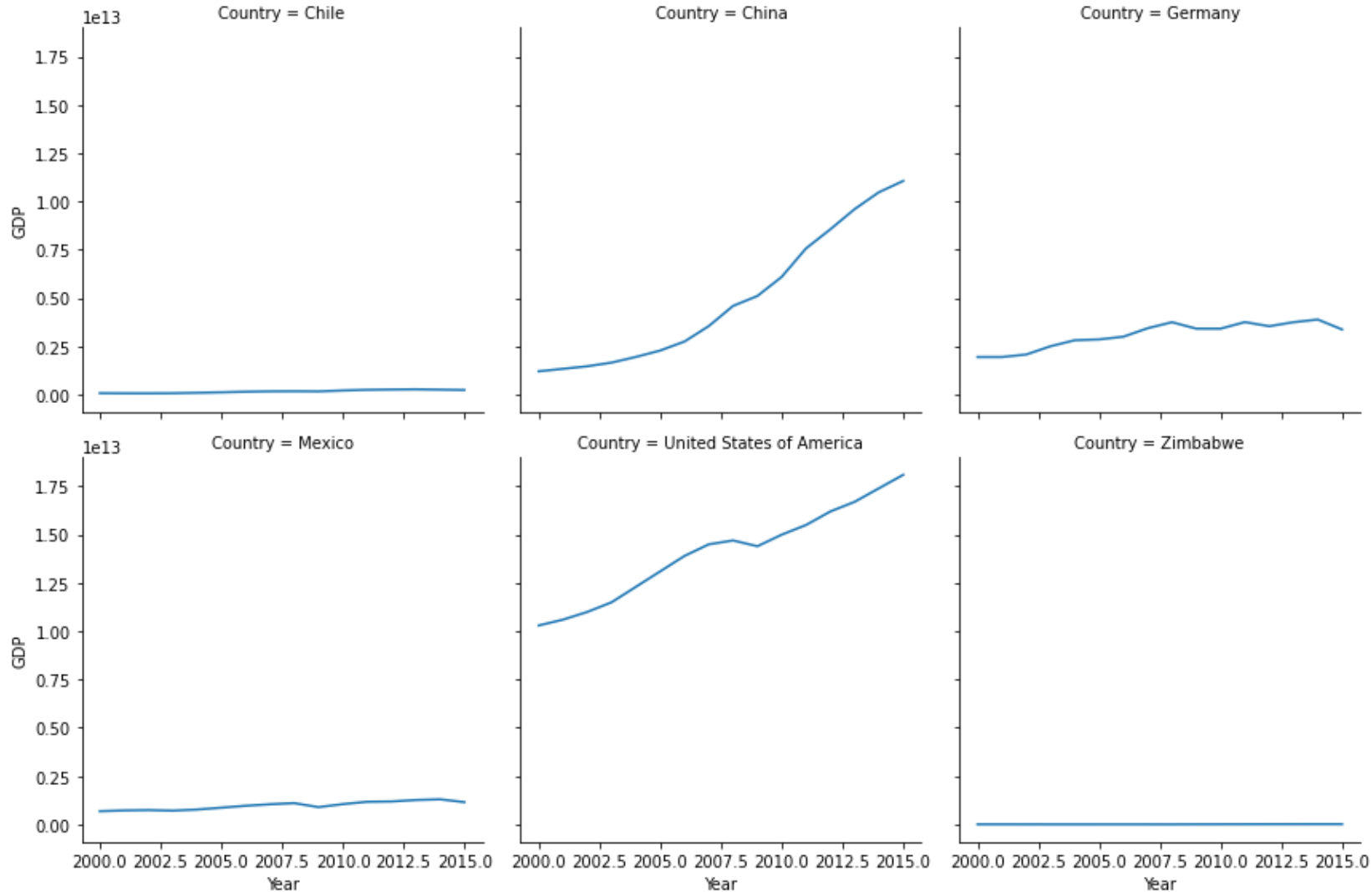
Mapping GDP as a function Life Expectancy by country



Mapping Life Expectancy by Country – 2000 to 2015



Mapping GDP by Country – 2000 to 2015



Summary

- Overall, GDP and life expectancy have increased over time, with the exception where the life expectancy in Zimbabwe decreased between 2000 and 2005.
- Chile and Zimbabwe have the lowest GDP. However, unlike Zimbabwe, where the life expectancy is the lowest, Chile is among the countries with highest life expectancy.
- US has the highest GDP both in growth and value, but its life expectancy increased rather slowly over the years.
- GDP in China increased drastically between 2005 and 2015 due to the rapid growth in manufacturing and exporting goods.