

GDP and stock market growth

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Agenda

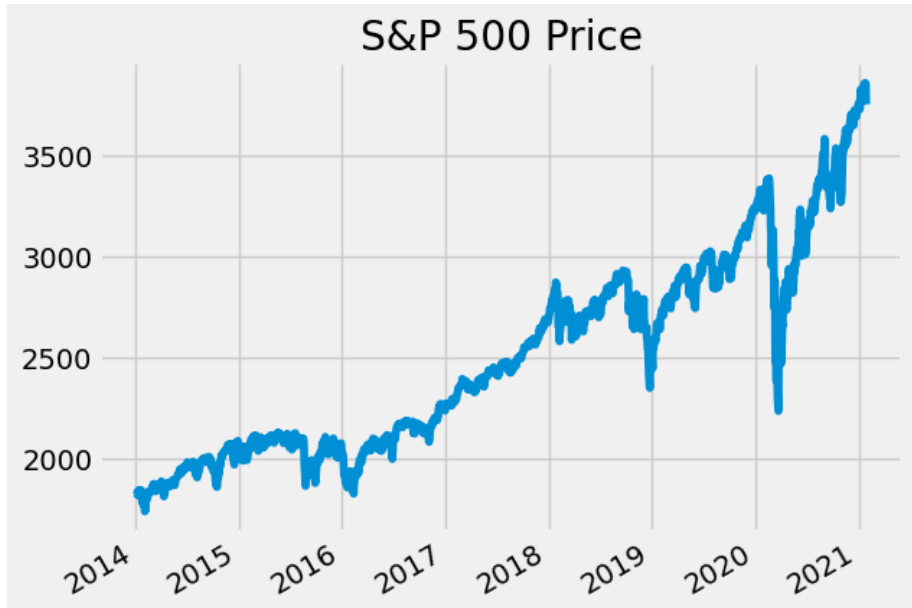
1 Introduction

2 Data Plots

3 Conclusions

- Is there a connection between GDP and stock market growth?
- As stock market indicators we take SP500, AAPL, AXP, IBM, BA

- Is there a connection between GDP and stock market growth? If we look to the past we can observe that some countries with emerging market demonstrated incredible growth and it is a possible questions for economists of it is connected with the GDP



Data Plots

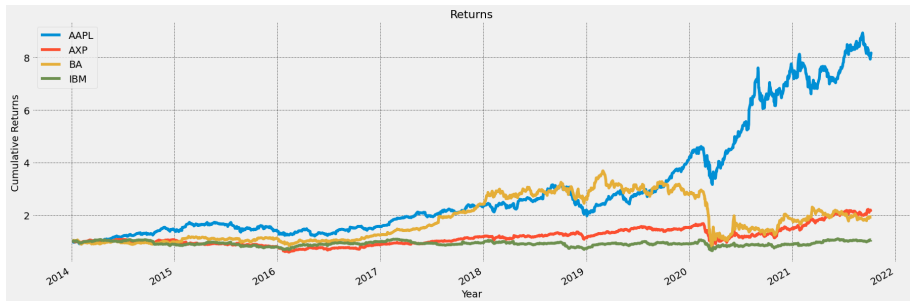


Figura: We built up the growth of stocks within the period of 2014=2021

Our approach

Here we want to reveal the connection between the stock market growth and GDP by applying the tools from Data science.

- In two words we want to find the correlation between the stock index and American GDP.

Visualization

Our visualization of Adj Close of SP 500 stock index with the GDP of United States



We can see that there is the strongest correlation between the US stock market and US GDP. In our project we also tried to compare the correlation with other countries GDP and it shown various level of correlation, from middle to strong enough. We can conclude that GDP of other countries correlates strongly with US stock market.

Thank you!
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Check my github to see the full project with more correlation analysis
<https://github.com/iiaaroshev/dig-tools.git>