Summary:

**Does S&P 500 have correlation to GDP and Interest rate?**

Interest rate and S&P 500 index has a very little to no correlation between them.

GDP seems similar to S&P500, line trends positively for both and heat map shows some correlation between them as well.

**Does president have any influence on stock market & GDP?**

President’s impact on the economy was spread into two section for this analysis: S&P 500 index and GDP

President’s impact on the economy (Stock market) has a little impact on growth and changes in stock market. Observing the S&P500 growing positively through all year regardless of the president.

GDP seems similar to S&P 500-line trends positively regardless of president. The fluctuation in the market are mostly likely due to external factors (COVID, 9/11, Recession of 2008) likely unrelated to presidential policies.

According to indicators analysed in this research shows that president has little to no influence on the stock market.