Donald Trump Re-election

Overview

Current betting markets list Donald Trump as the favorite candidate for winning the presidential election in 2020 with betfair's implied odds suggesting a 40% chance of winning.

Given his claims around the economy, would his re-election be a good indicator for businesses considering large investment around this time.

Data Sources:

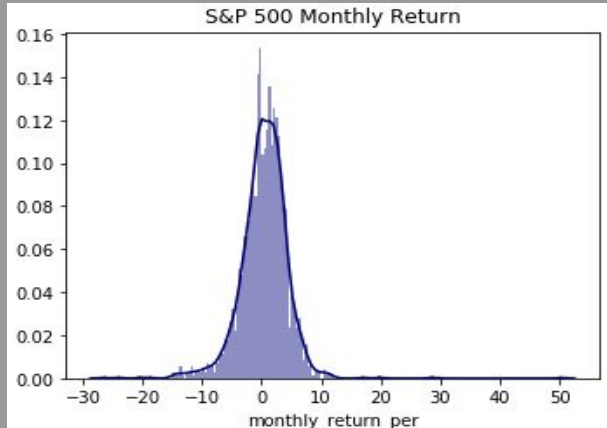|	
● Quandl API	Economic Data (unemployment, trade balance, Gov debt)
	★ FRED (Federal Reserve Bank St. Louis)
	S&P 500 Index
	★ Yale University, Robert Shiller
● Kaggle	US Presidents by date .csv

H_0: Trump has no effect on the rate of growth of the S&P 500
H_1 = Trump is increasing the rate of growth of the S&P 500
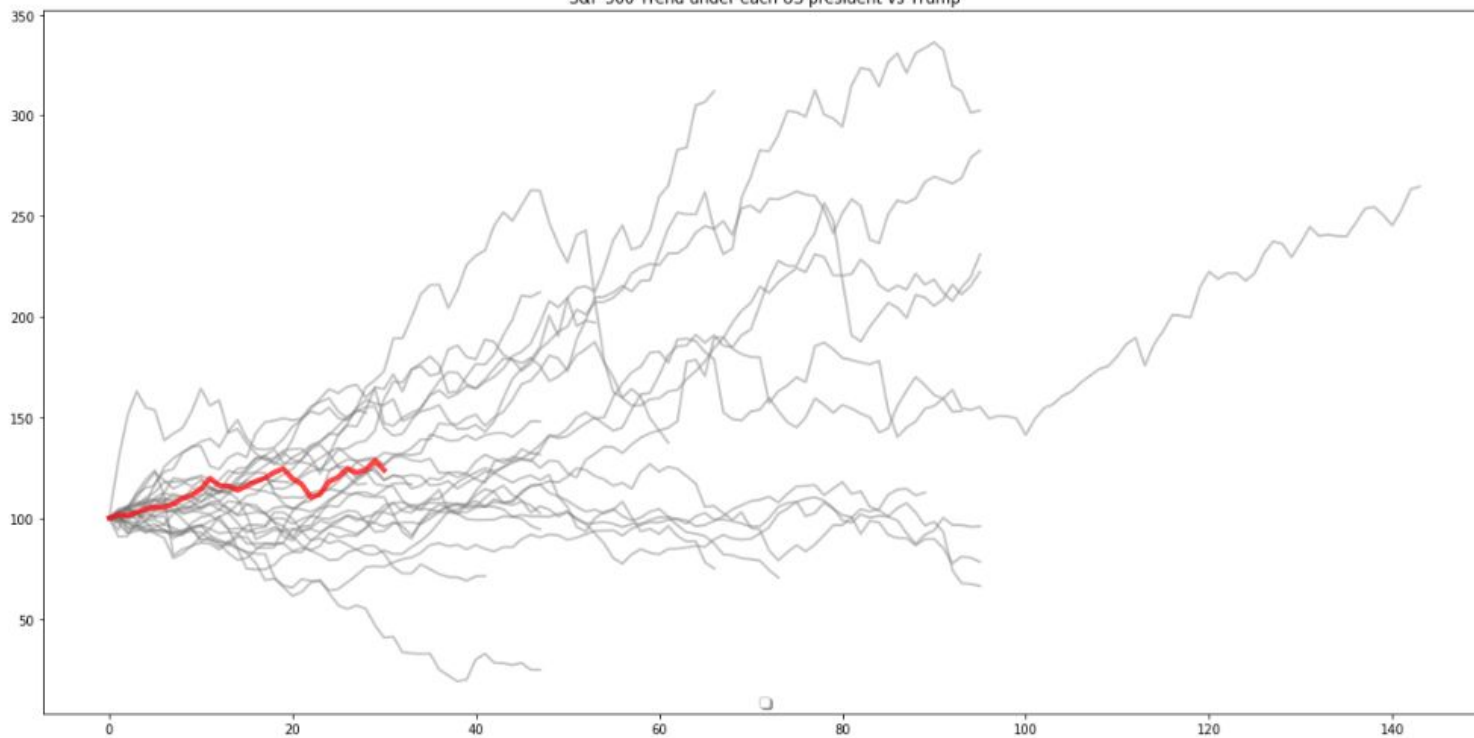
S&P 500 Monthly Return

S&P 500 Monthly Return

Data Distribution:

- Different Variance
- Different Sample Size

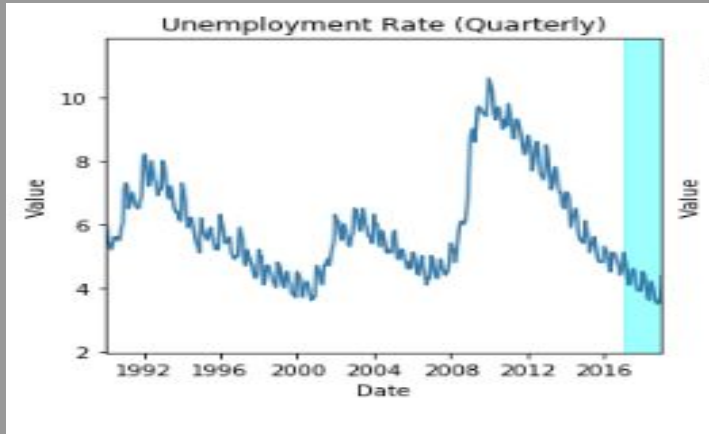We performed a Welch's T-Test, giving a P-value of 0.45. Therefore we were unable to reject the null hypothesis.
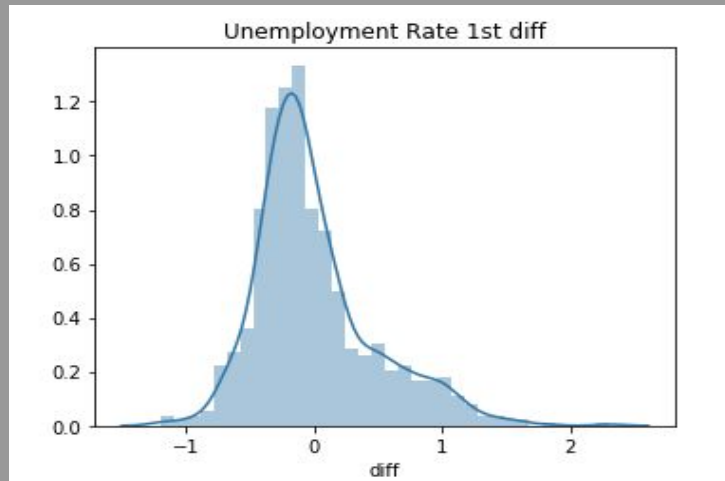
S&P 500 Trend under each US president vs Trump

H_o: Trump has no effect on the unemployment rate
H_1 = Trump is decreasing the rate of unemployment rate

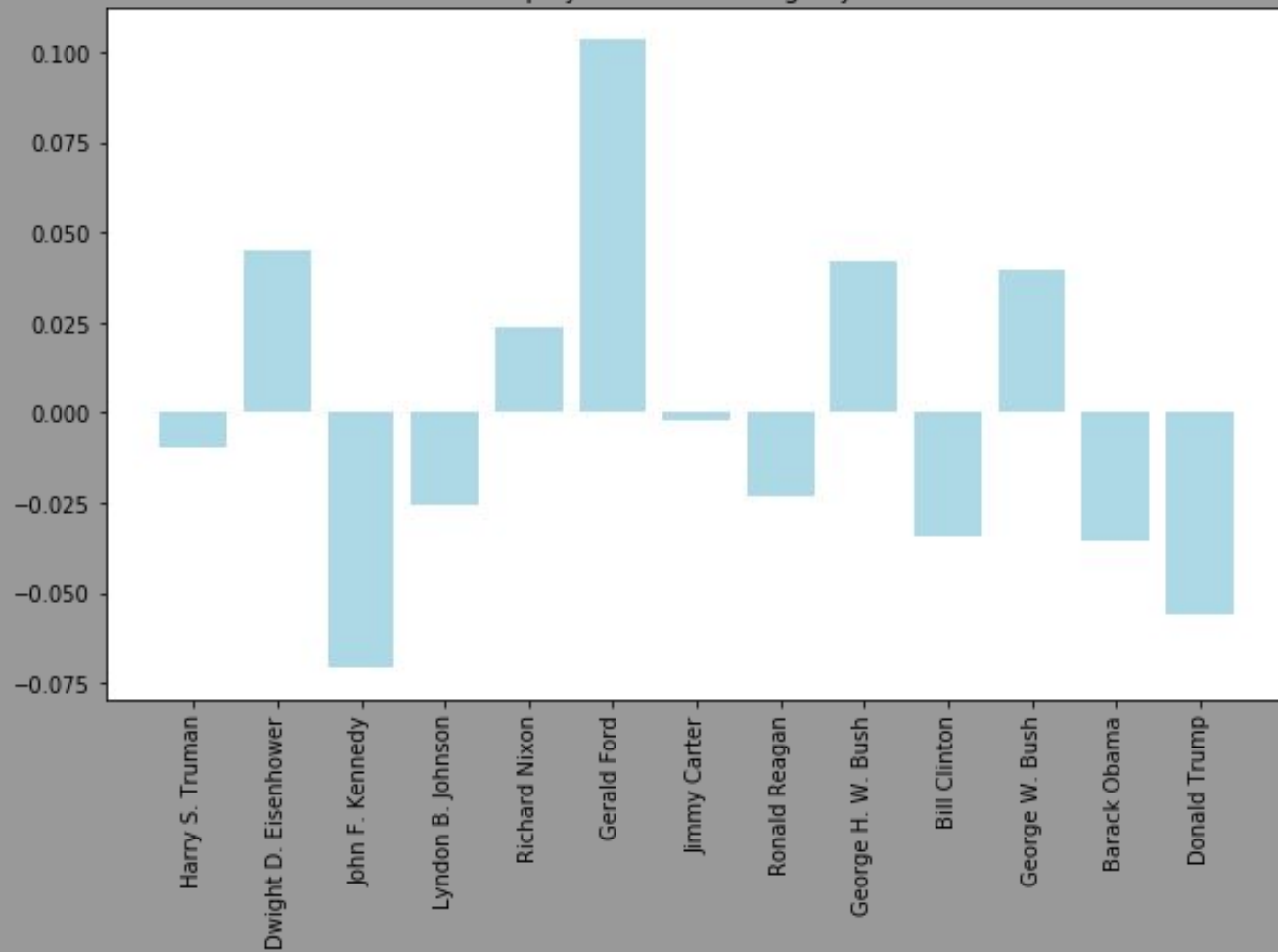Data Distribution:

- Different Variance
- Different Sample Size

We performed a Welch's T-Test, giving a P-value of 0.34. Therefore we were unable to reject the null hypothesis once again.
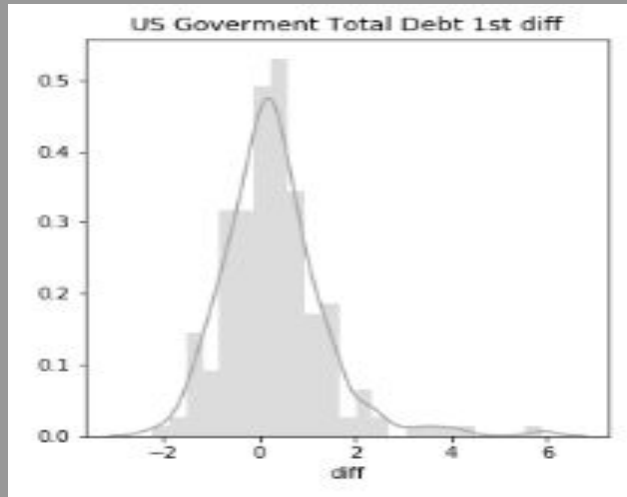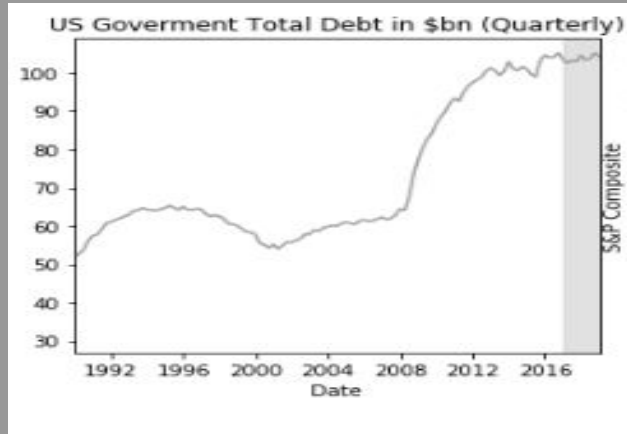
US Unemployment Rate change by President

H_o: Trump has no effect on national debt
H_1 = Trump is decreasing the rate of national debt

US Goverment Total Debt in $bn (Quarterly)
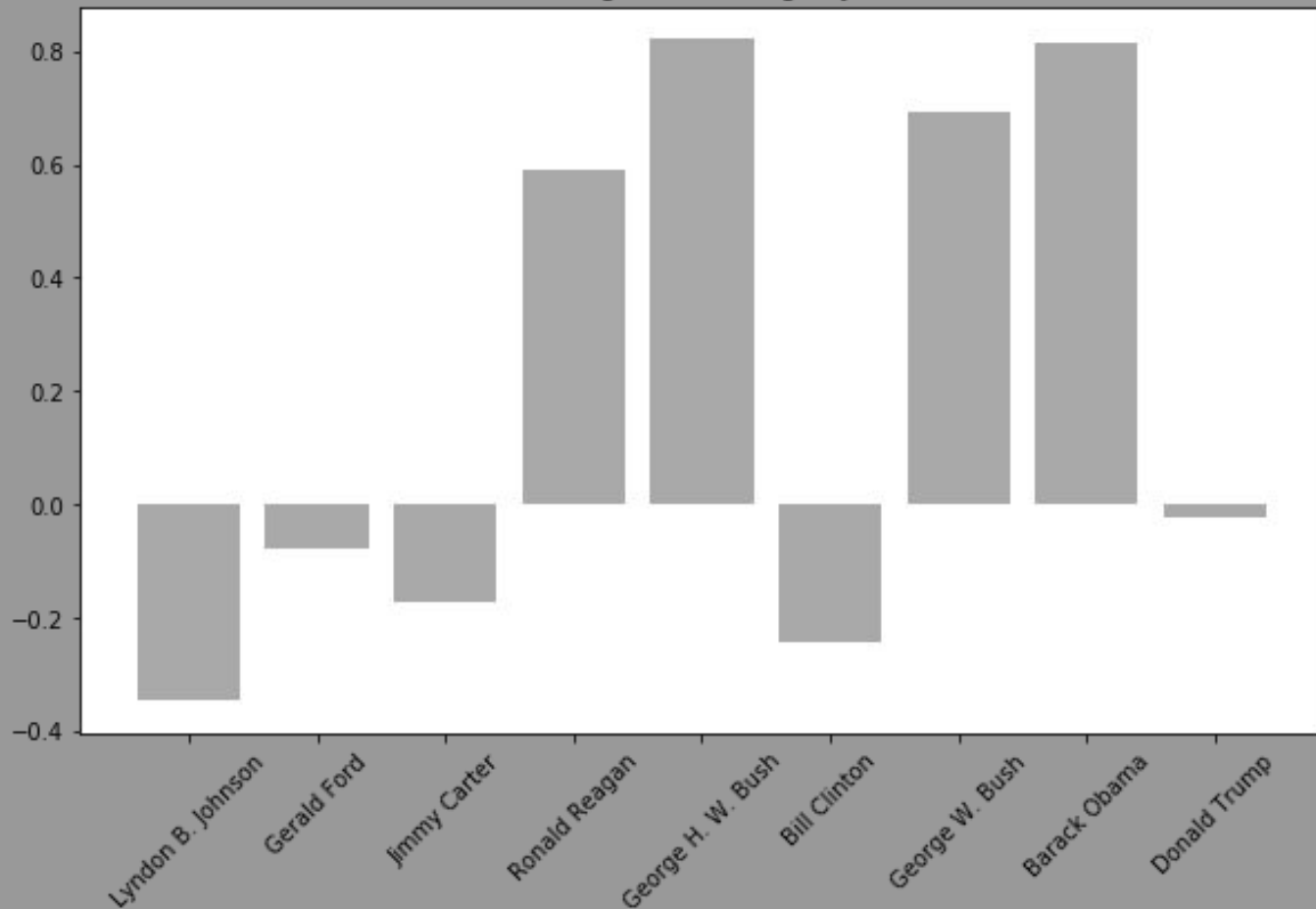

US Goverment Total Debt 1st diff

Data Distribution:

- Different Variance
- Different Sample Size

We performed a Welch's T-Test, giving a P-value of 0.407. Therefore we were unable to reject the null hypothesis once again.
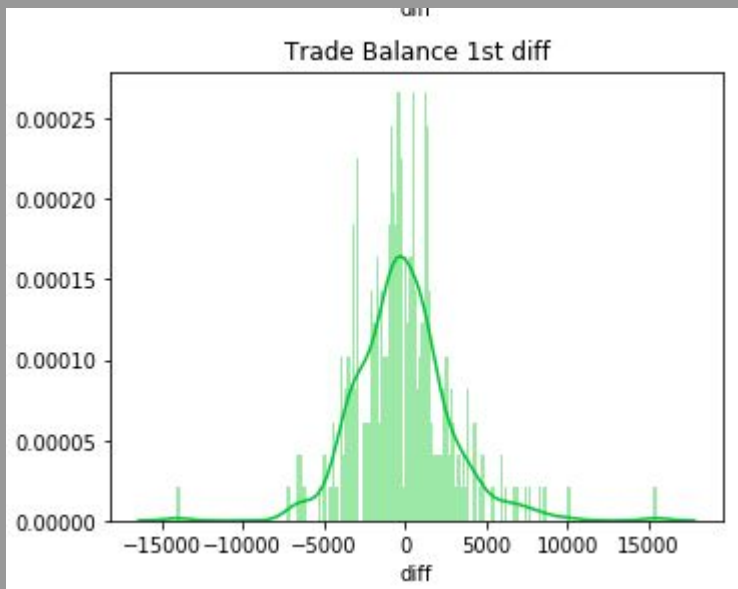
US Gov Average Debt change by President

H_o: Trump has no effect on the rate of change of the balance of payments

H_1 = Trump is decreasing the rate of change of the balance of payments
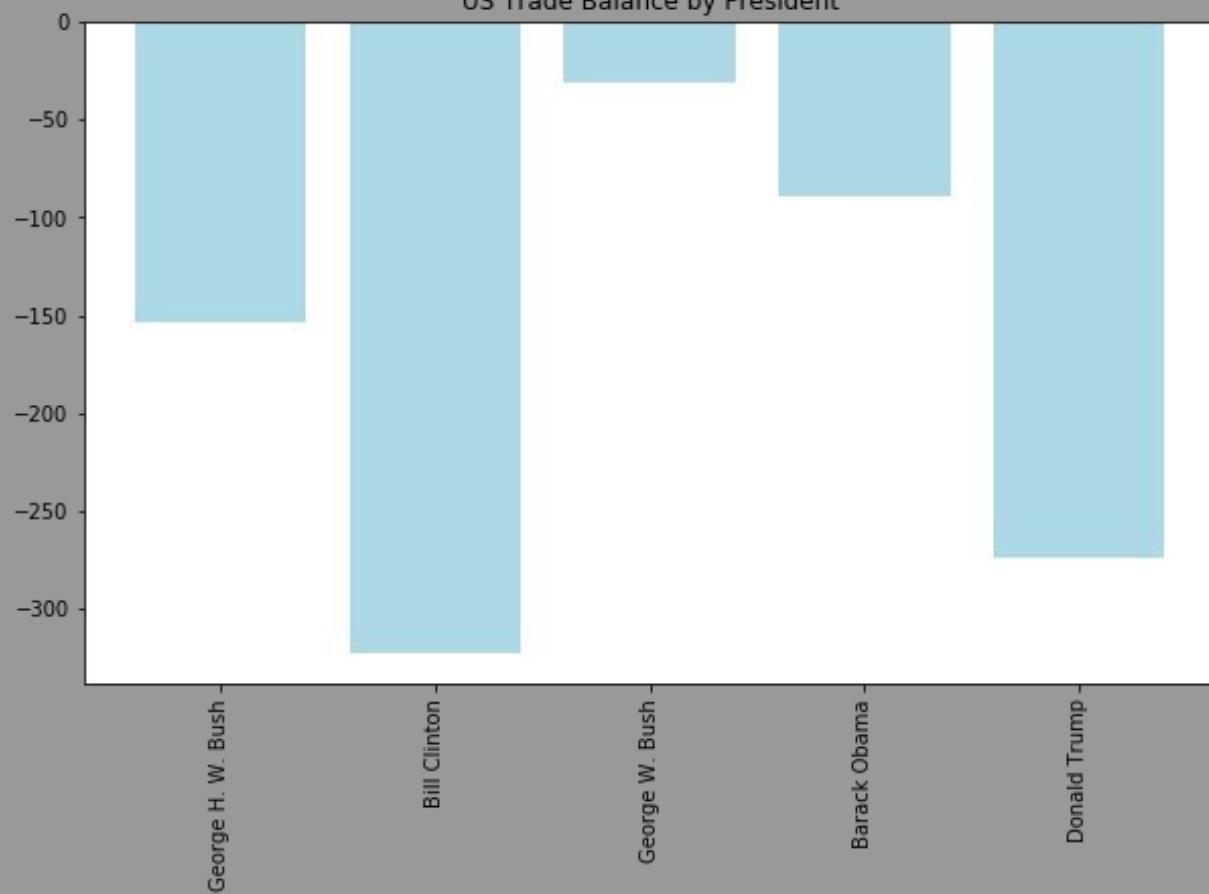
Trade Balance 1st diff

Data Distribution:

- Different Variance
- Different Sample Size

We performed a Welch's T-Test, giving a P-value of 0.83. Therefore we were unable to reject the null hypothesis.

US Trade Balance by President

Questions