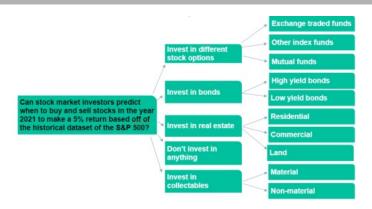
These indicators of the stock market can be used for investing purposes by predicting the market.

All but one indicator have few outliers past the interquartile range resulting in little variance.

M1, GDP, CPI, and PPI show a positive/associated relationship to the S&P 500 regecting the null hypothesis.

Regression equation showing the indicators in alignment with the S&P 500



Executive Summary:

- You can predict the S&P 500 index using certain indicators that explain the market.
- R-squared values above 0.5 show a positive correlation to the S&P500 index.
- -P-Values under 0.05 show a statistically significant correlation.

Indicators proven to be statistically significant to predict the S&P500 (All USA BLS):

GDP- Gross Domestic Product

PPI- Producer Price Index

CPI- Consumer Price Index

M1- Narrow Measure of the Money Supply

Regected due to low correlation of R-squared:

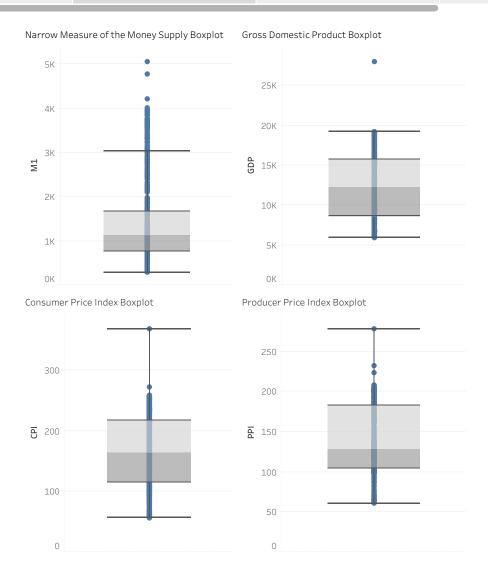
10YT2YT-10 Year Tresury Constant Maturity - 2 Year Tresury Constant Maturity

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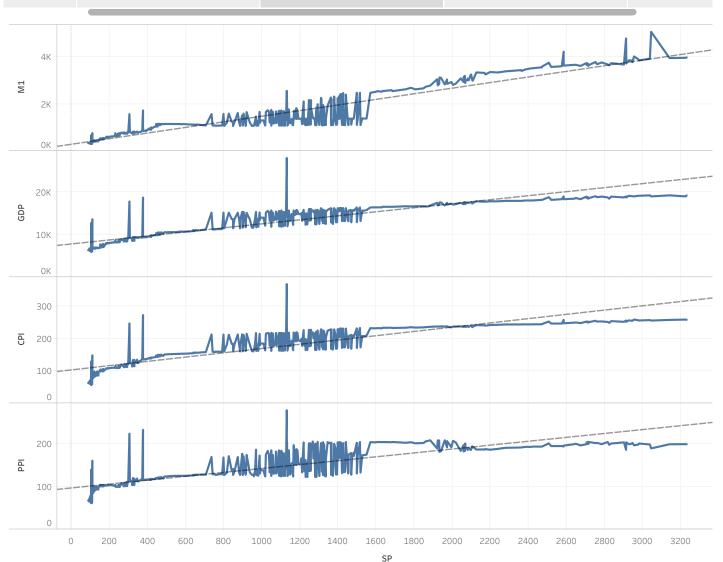
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M1, GDP, CPI, and PPI should be considered if investing in an index fund of the ..

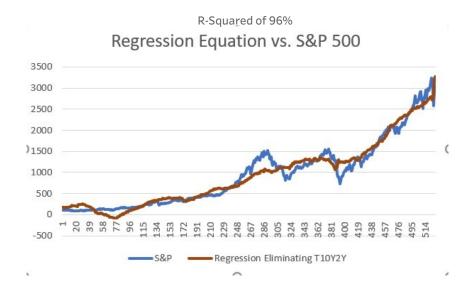


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Final Conclusions of the data:

- The indicators in this analysis showed a associated/strong correlation to the stock market due to their R-squared and P-values.
- -M1, the liquidity of money, should be the most looked at indicator of the stock market due to the regection of the null hypothesis at 88% certainty.
- -M1 has the most varience due to the influx of money with the government supply of money.
- -All should be considered together for a more accurate picture of the stock market by reflection of the regression.

Limitations:

- The regression equation does not reflect the dips in the stock market as severely as they do in the \$\$P500.