

- 1) Baseline how did the stock market do over the last 10+ years. – line graph
  - Show a graph showing the stock market and then show us fixing it to get to the right dimensions and look and feel.
  - Outcome: Graph showing the performance of the stock market and a percentage – 10 years.
- 2) Add in individual industries (5 or 10) compared to the baseline - line graph.
  - Image: S&P500 vs 5 to 10 indexes.
  - Make a Line Graph.
- 3) Which industries did the best historically? By industry. - Bar chart (accepted industry definitions)
  - Our winner based on chart at the end of X year is:
  - Get a list of returns of 10 years for each ETF Index. Come out with a percentage of return over that X years for all indexes vs the S&P 500.
  - Make Bar Chart
- 4) Comparing the top 10 industries by size. - Pie chart – Market Cap vs Volume traded.
  - Find a different source of data for this chart.
  - Pull data of Data Size and make a pie chart.
  - Show Market Cap
  - Show Volume Traded
- 5) How much of a return can we expect based on historical returns? – line charts?
  - Not Financial Advice. Past Performance doesn't dictate future performance.
  - But based on looking at a period of 10 years back we got...
  - Display High and low leaders of a sectors over 10 years.
- 6) Bonus: Add in some sort of API. Pulling information from Yfinance.
- 7) Bonus: How stock market was affected by recessions? Which industries were hardest hit?

Output: We can see it visually by the line changes due to Covid and