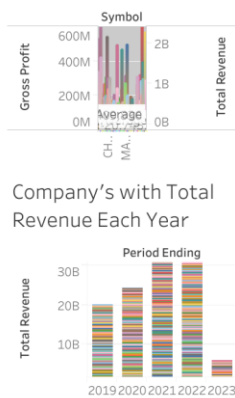


# Nasdaq Interpretation and Visualization

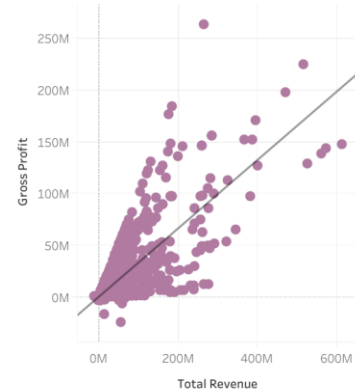
Link to the dashboard:

[https://public.tableau.com/app/profile/hamzah.tarig/viz/Nasdaq\\_financial\\_data/Dashboard1?publish=yes](https://public.tableau.com/app/profile/hamzah.tarig/viz/Nasdaq_financial_data/Dashboard1?publish=yes)

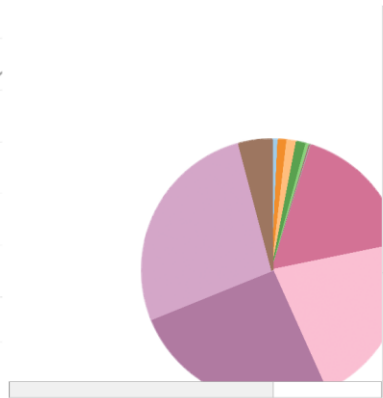
A Comparison of Revenue Vs Profit



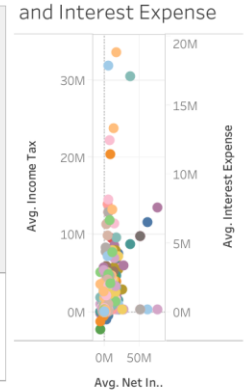
Linear Regression to Predict Gross Profit Based On Total Revenue



Each Year Total Revenue vs Research and Development



How Much A Company Loses in Income Tax and Interest Expense



The first graph shows comparison of revenue vs profit for each company. This graph shows the deficit each company face due to the expenditure and costs of operations. The second graph shows all the company's total revenue each year. This graph shows us which company was able to gain the highest revenue respected years.

The pie chart shows each company's efforts in research and development leading to a significant amount of budget subtracted from the total revenue. The pie chart is divided with respect to years meaning total revenue each year and the budget spent on research and development each year.

The fourth graph shows how much each company loses their revenue in taxes and interests leading to a declined gross profit margin.

Finally, the last graph is used as predictive model using linear regression to draw a line which predicts gross profit based on the company's total revenue.