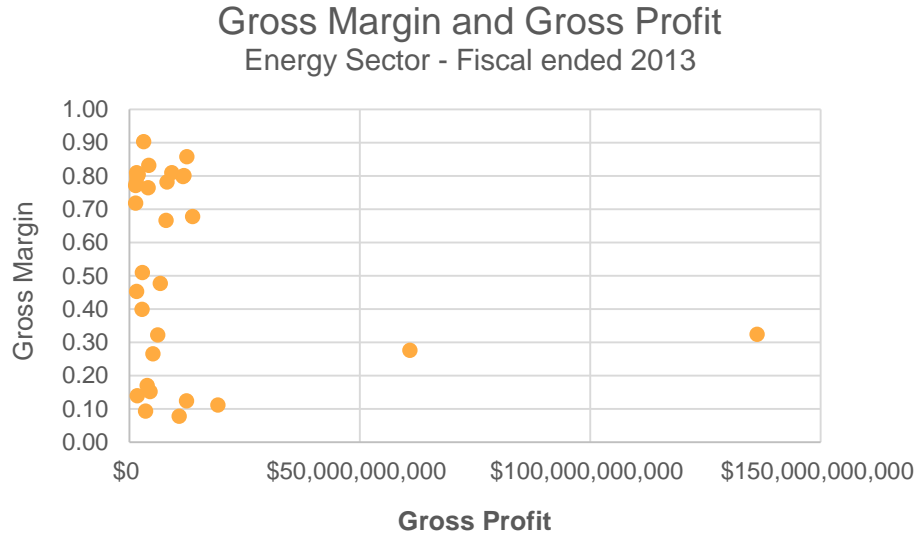


Is there a linear relationship between the Gross Profit and Gross Margin for the Energy sector in 2013?



Here is a scatterplot that shows the Gross Profit and the Gross Margin for the Energy Sector companies in the NYSE S&P 500 in 2013.

The distribution of the data points illustrates that the linear relationship is very weak for these 2 variables (**Multiple R** = 0.22). In other words, we cannot safely affirm that the higher/lower the Gross Profit, the higher/lower the Gross Margin.

The Gross Profit numbers present a wide range (**Min**: \$1,316,134,000, **Max**: \$136,155,000,000), but the **Median** reveals that 50% of the companies had a gross profit of less than \$4,471,000,000. The Gross Margin varies significantly too (**Min**: 0.08, **Max**: 0.90), and its **Median** of 0.67 leads us to conclude that half of the companies have a gross margin higher than that.