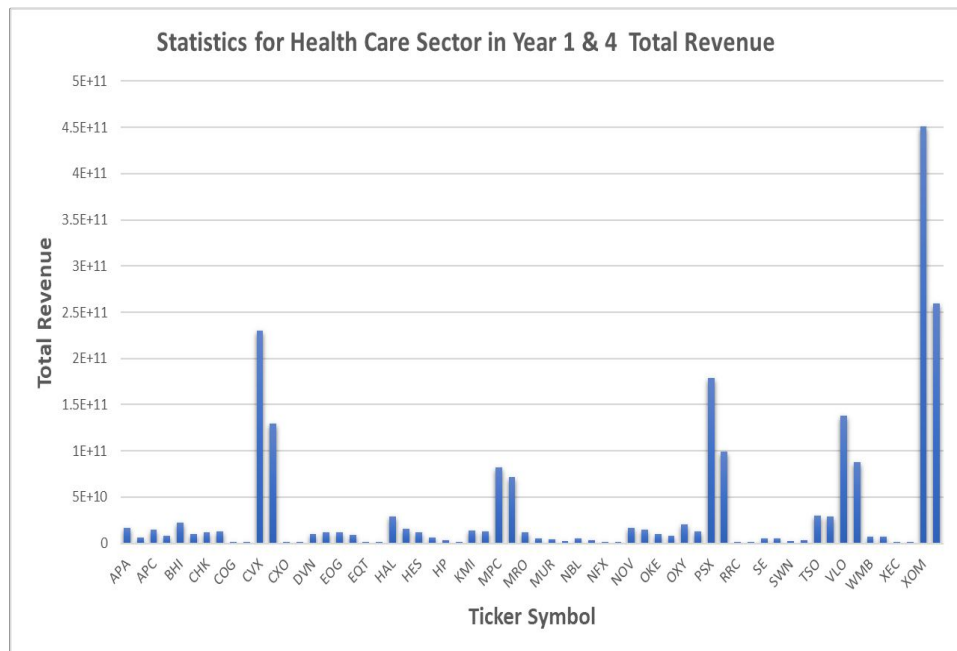


NYSE Data Analysis Project

Analyzing New York Stock Exchange

Summary Statistics



In the graph we can see that at X-Axis we put Ticker Symbol and on the Y-axis we have Total revenue and columns declare total revenue for each Company per Health care sector.

From the chat we found that XOM Company has the Maximum revenue in healthcare.

ABBV Total Revenue In Healthcare over years

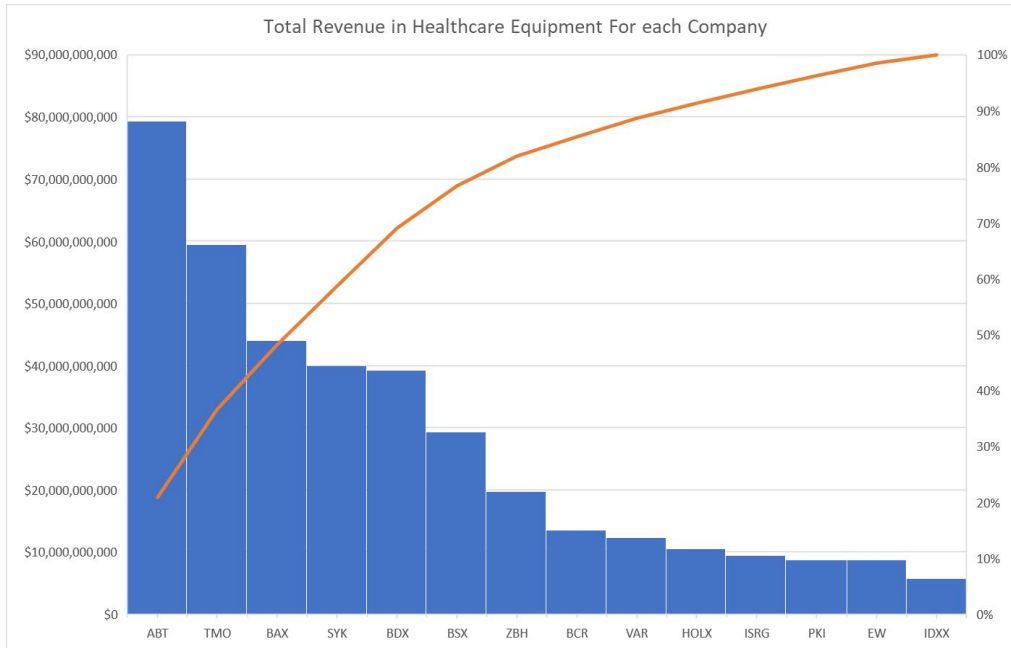
Mean Total Revenue for ABBV Company for HealthCare sector & Pharmaceuticals Sub



Total revenue is visualized in a pie chart for ABBV Company in Healthcare sector and pharmaceuticals sub-sector.

We can find that Year 4 ABBV Company achieved the biggest Revenue from pharmaceuticals as total revenue in that year was 228,590,000,00\$.

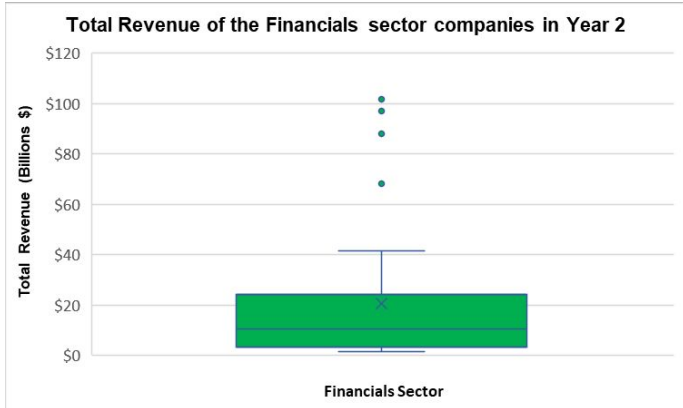
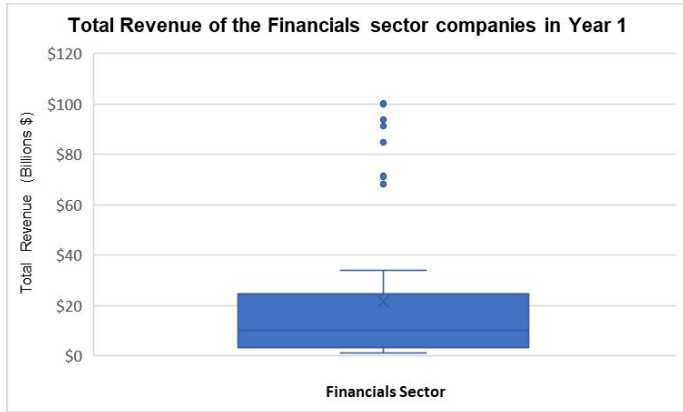
Which Company has Max total revenue in HealthCare Equipment?



On X-Axis we put Companies, On Y-Axis put Total revenue in dollars.

From this chart we can get the best company performance in HealthCare Equipment Sub sector which is ABT Company (has almost 90% out of total revenue from healthcare equipment), and the second one in total revenue is TMO which has almost 70% of healthcare equipments' total revenue.

How Financials Total Revenue changed from Year 1 to Year 2 ?



These are two Box plot Charts declare change in total revenue for Financials sector between first and second year for all companies.

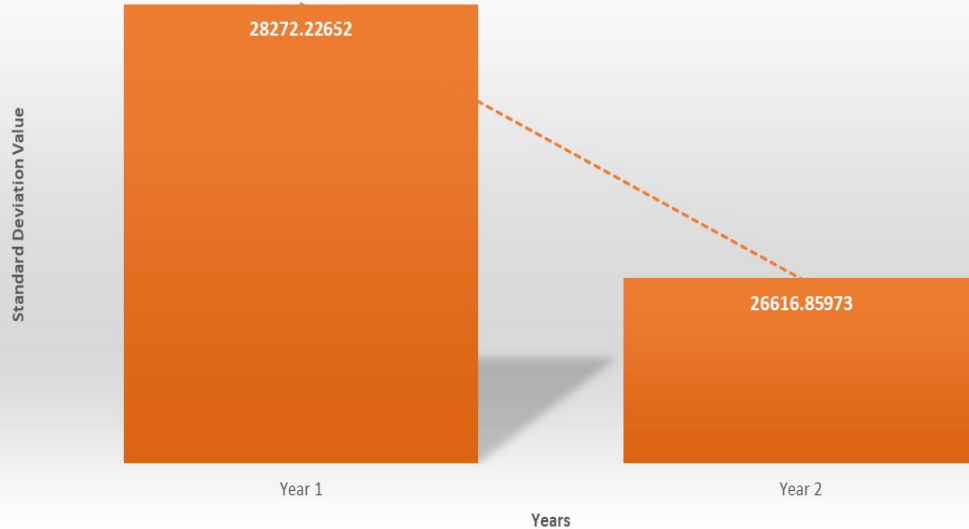
The two visuals show that the range for Financials sector Total revenue in year 2 range is \$100 Billion which is higher than year 1 range at \$98 Billion that means companies have more significant variability in the total revenues they receive because their range become more spread out.

The mean (The Average) revenue in the second year is less than the first year by almost 1 billion (\$848,653,317), that means that there might be Financials issues in the most of companies which is a big problem for any business.

The mean (The Average) for first Year is \$ 21 billions and it decreased in the second year to become \$ 20 billions, the median in year 1 was \$ 10 billions and increased slightly in year 2 by \$122 millions (\$122,653,000), The standard deviation in year 1 was 28 billions which is higher than the mean value (\$21 billions) whenever standard deviation in year 2 was 26 billions which is higher than the mean value (\$20 billions) but the difference is not big as in the first year.

How Financials Revenue STDV changed from Year 1 to Year 2 ?

Financials Standard Deviation Change from Year 1 to year 2



The Financials Total Revenue **standard deviation** decreased in year2 than year1.

While standard deviation represents how spread the data means that the data become centered over the mean.

The standard deviation is 28272.22 in **Year 1**. Since this number is quite high, it shows that the data is highly spread from the mean at \$21,419,213,415 .

But The standard deviation become 26616.85 in **Year 2**. it shows that the data is less spread from the mean than year 1 at \$20,570,560,098 .

That Analysis shows that revenue is mostly near to the mean (the average) revenue in year 2 which is a positive strong insight.

Profit & Loss Statement

P&L statement for DVA Ticker for year 1, year 2 , year 3 and year 4 (year over year)

We can notice that year 2 is greater than year 1 in Total revenue by \$ 3,577,770,000 and year 3 greater than year 2 by \$ 1,031,056,000 and so on.

Gross Profit is the same and EBIT is the same also.

Ticker Symbol	DVA			
	Profit & Loss Statement			
	Historical			
	Year 1	Year 2	Year 3	Year 4
Revenue	\$ 8,186,280,000	\$ 11,764,050,000	\$ 12,795,106,000	\$ 13,781,837,000
COGS	\$ 5,583,549,000	\$ 8,198,377,000	\$ 9,119,305,000	\$ 9,824,834,000
Gross Profit	\$ 2,602,731,000	\$ 3,565,673,000	\$ 3,675,801,000	\$ 3,957,003,000
Sales, General and Admin.	\$ 889,879,000	\$ 889,879,000	\$ 889,879,000	\$ 889,879,000
Other Operating expenses	\$ 341,969,000	\$ 528,737,000	\$ 590,935,000	\$ 638,024,000
Research & Development	\$ -	\$ -	\$ -	\$ -
Total operating expenses	\$ 1,231,848,000	\$ 2,045,245,000	\$ 1,869,441,000	\$ 2,585,159,000
EBIT	\$ 1,370,883,000	\$ 1,520,428,000	\$ 1,806,360,000	\$ 1,371,844,000

Forecast Model for DVA Ticker for the next two years

The forecast of P&L statement in the next two years show increase in Total revenue, Gross profit and EBIT. The expected growth in **Total revenue** for year 5 and year 6 are 21% , 22% than the previous year for the best case scenario; 20% , 21% for the base case scenario and 19% , 20%for the weak case scenario. The expected increase in **Gross Margin** for year 5 and year 6 are 31% , 32% than the previous year for the best case scenario; 30% , 31% for the base case scenario and 29% , 30% for the weak case scenario. The expected increase in **Operation Margin** for year 5 and year 6 are 14% , 15% than the previous year for the best case scenario; 13% , 14% for the base case scenario and 12% , 13% for the weak case scenario.

Ticker Symbol	DVA						
Senario	Best Case						
	Profit & Loss Statement						
		Historical				Forecast	
		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Revenue	\$ 8,186,280,000	\$ 11,764,050,000	\$ 12,795,106,000	\$ 13,781,837,000	\$ 19,369,476,657.967	\$ 28,045,508,564.352
	COGS	\$ 5,583,549,000	\$ 8,198,377,000	\$ 9,119,305,000	\$ 9,824,834,000		
	Gross Profit	\$ 2,602,731,000	\$ 3,565,673,000	\$ 3,675,801,000	\$ 3,957,003,000	\$ 7,853,064,575.362	\$ 12,562,225,166.524
	Sales, General and Admin.	\$ 889,879,000	\$ 889,879,000	\$ 889,879,000	\$ 889,879,000		
	Other Operating expenses	\$ 341,969,000	\$ 528,737,000	\$ 590,935,000	\$ 638,024,000		
	Research & Development	\$ -	\$ -	\$ -	\$ -		
	Total operating expenses	\$ 1,231,848,000	\$ 2,045,245,000	\$ 1,869,441,000	\$ 2,585,159,000		
	EBIT	\$ 1,370,883,000	\$ 1,520,428,000	\$ 1,806,360,000	\$ 1,371,844,000	\$ 3,148,037,808.736	\$ 4,696,122,935.697
	Revenue growth		44%	9%	8%	41%	45%
	Growth Margin	32%	30%	29%	29%	31%	31%
	Operation Margin	17%	13%	14%	10%	16%	17%

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Thank You!

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