

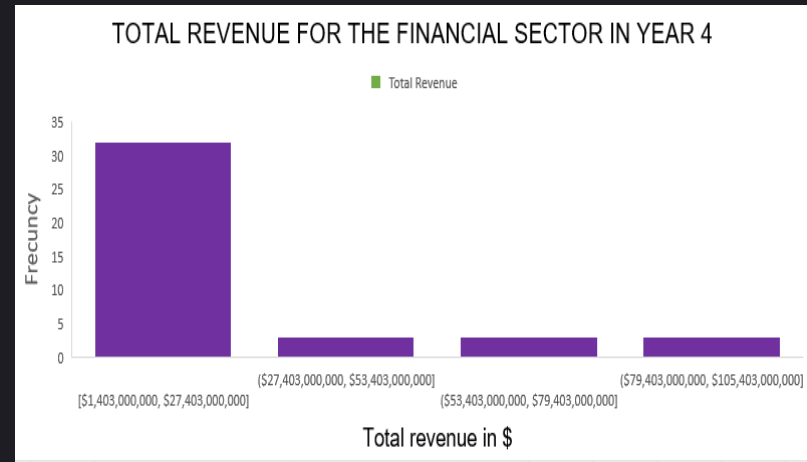
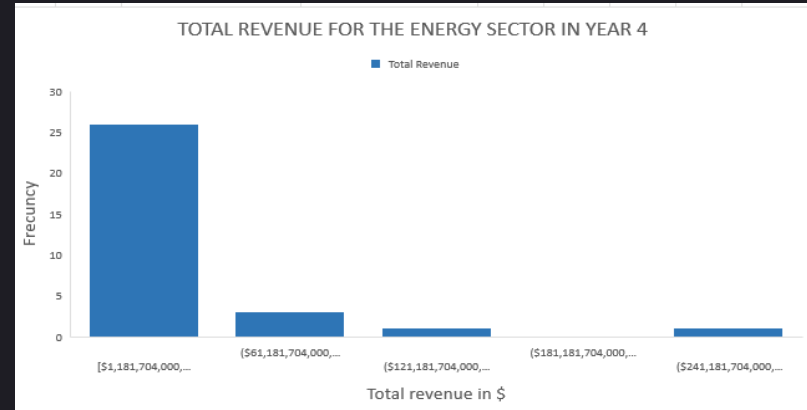
ANALYSIS OF NYSE DATA

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Dose the Revenue for the Energy sector have similar expenditure levels for Total Revenue for the Financial sector in Year 4 ?

- These are 2 histogram charts describes the expenditures in total revenue for the energy sector and financial sector in year 4 .
- As we can see from these two charts, both charts are right-skewed or positively skewed. Which tells, that mean for each is higher than median.
- The mean total revenue for companies categorized under the Energy Sector (\$27,216,366,677.42) was higher compared to the mean total revenue for all Finance Sector (\$20,568,377,146.34).*
- It looks like companies in Energy Sector have a higher total revenue on average than all industries categorized under Finance Sector .*
- The Median total revenue for companies categorized under the Finance Sector (\$10,346,000,000.00) was higher compared to the median total revenue for all energy Sectors (\$7,763,206,000.00). It looks like 50% of the companies in the Finance Sector have a higher total revenue on average than 50% of the companies categorized under the Energy Sector.*



Dose the Revenue for the Energy sector have similar expenditure levels for Total Revenue for the Financial sector in Year 4 ?

- ❑ The standard deviation of total revenue for companies categorized under the Energy Sector (\$53,672,059,913.33) was higher compared to the standard deviation of total revenue for all Finance Sector (\$25,588,172,728.63). i.e There's a higher variability of Total Revenues in the Energy Sector compared to the Finance Sector.
- ❑ It's evident that companies in the Energy Sector have less stable revenues as they change on average more than the average change (Standard Deviation) of the Finance Sector.
- ❑ If you're an investor that needs to avoid as much risk as possible. then you should invest in the industry that has the lowest standard deviation of total revenue. In this case, you should invest in the Finance Sector.
- ❑ The Range for the Energy Sector Total Revenue at \$258 Billion is higher compared with The Range of Total Revenue for the Finance Sector at only \$91 Billion. It looks like companies in the Energy Sector have greater variability in the total revenues they receive because their range is more spread out

summary statistics - Total revenue For the Energy Sector	
Mean	\$ 27,216,366,677.42
Median	\$ 7,763,206,000.00
Standard Deviation	\$ 53,672,059,913.33
Skewness	\$ 3.24
Range	\$ 258,306,296,000.00
Minimum	\$ 1,181,704,000.00
Maximum	\$ 259,488,000,000.00

Summary Statistical - Total Revenue Finance Sector	
Mean	\$ 20,568,377,146.34
Median	\$ 10,346,000,000.00
Standard Deviation	\$ 25,588,172,728.63
Skewness	\$ 1.86
Range	\$ 91,653,000,000.00
Minimum	\$ 1,403,000,000.00
Maximum	\$ 93,056,000,000.00



THANK YOU