

REPORT TASK 1

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HOW DID THE TOTAL REVENUE PERFORMANCE IN THE FIRST YEAR COMPARE BETWEEN THE FINANCIAL AND ENERGY SECTORS?

- Here are the histograms for the annual Total revenue for Energy and Financial sector companies reported for all companies in Year 1.
- Both distributions are right skewed or positively skewed means most values are low, but a few high values pull the mean above the median, creating a long tail on the right.
- The Energy Sector has a significantly higher mean (\$43.63 billion) compared to the Financial Sector (\$21.42 billion), indicating that, on average, the values in the Energy Sector are nearly double those in the Financial Sector. This suggests that the companies or investments in the Energy Sector deal with larger sums of money compared to the Financial Sector.
- The medians of both sectors are much closer in value, with the Energy Sector at \$11.97 billion and the Financial Sector at \$10.26 billion, with the Energy Sector being slightly higher. This indicates that while the averages differ significantly, the central or typical value is somewhat similar in both sectors.
- The Energy Sector has a much higher standard deviation (\$91.70 billion) compared to the Financial Sector (\$27.93 billion), indicating greater variability in the data. This suggests that the Energy Sector has more extreme values or outliers compared to the Financial Sector, which is more consistent and has less variability.
- The Energy Sector's range of \$450.3 billion is over 4.5 times larger than the Financial Sector's \$98.8 billion. This indicates greater variation in company sizes and financial performance in the Energy Sector, while the Financial Sector shows more consistency and stability across its companies.

