

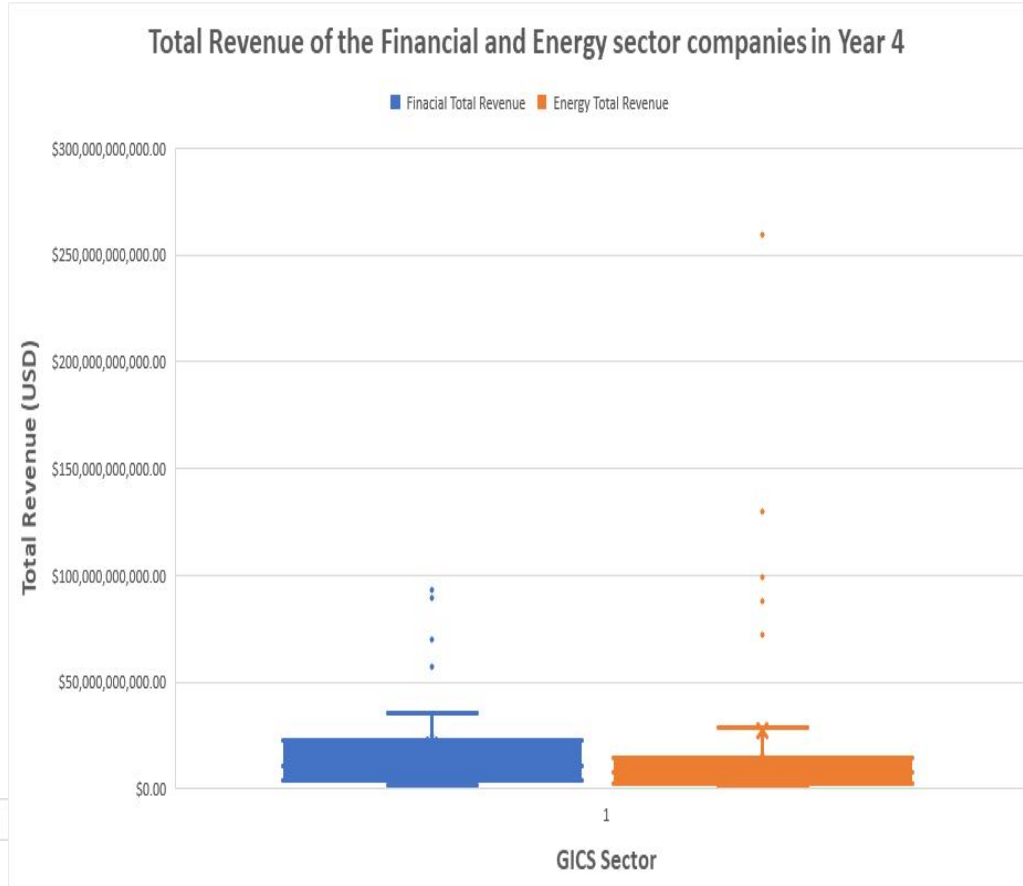
**Jamil Abdulai**  
**Project 2**

**Project: Analyze NYSE Data**

**Summary Statistics**

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# What are the total revenues for year 4 of the financial and energy sectors of the S&P 500 companies ?



This graph summarises the total revenue growths of the Financial and Energy sectors. The means, medians and stds for financial and energy sectors are \$20,568,377,146 and \$27,216,366,677 \$10,346,000,000 and \$7,763,206,000, and \$25,588,172,729 and \$53,672,059,913 respectively. The mean values depicts the average amounts of both categories as compared to the median, which is the middle values of the datasets ordered.

The standard deviation values pinpoints how wide the separations are from the mean, in which the energy sector shows a wider spread from the mean than the financial sector. Also, the min and max values for the financial sector are 1,403,000,000 93,056,000,000 respectively compared to \$1,181,704,000 and \$259,488,000,000.00 for the energy sector. Both sectors produced no mode, meaning no value occurred twice.

Furthermore, the range for the financial sector was over \$91B compared to over \$259B for the energy sector hence the energy sector have more significant variability in total revenues due to the wider spread of the range compared to the financial sector which is lower.