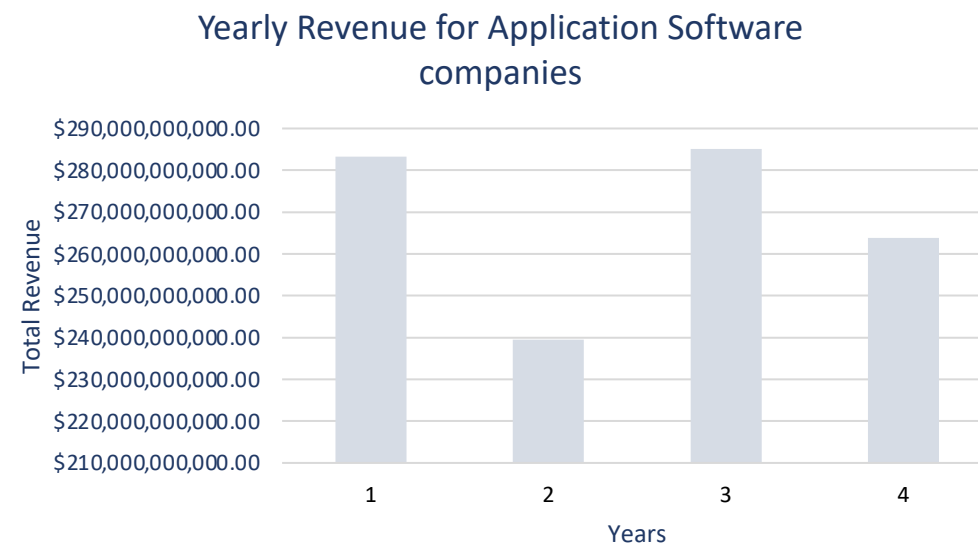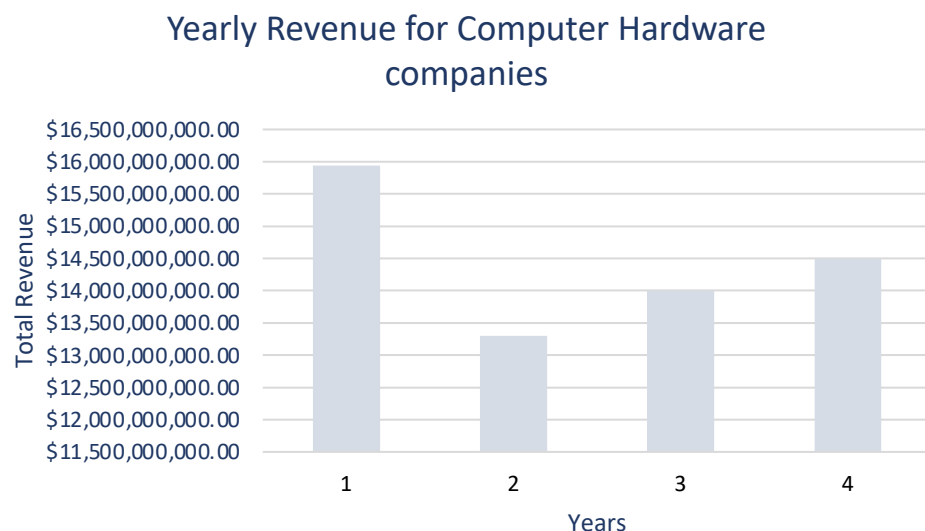# Task #1: Analyze NYSE Data

Do the Computer Hardware companies have higher total revenue than the Application Software companies over the fourth year?

Yearly Revenue for Computer Hardware companies

Yearly Revenue for Application Software companies

The above histograms show the total revenue for the computer hardware and application software information technology sub-sectors companies. The mean of total revenue for computer hardware companies is $267 billion, while the man for Application software is $14 billion. However, the median for computer hardware is around $273 billion, and the median for Application software is $14 billion.

Do the Computer Hardware companies have higher total revenue than the Application Software companies over the fourth years?

	Computer Hardware	Application Software
Mean	$14,429,661,500.00	$267,927,250,000.00
Median	$14,242,120,500.00	$273,542,500,000.00
Standard deviation	$1,118,549,485.26	$21,281,257,973.08
min	$13,295,965,000.00	$239,446,000,000.00
Max	$15,938,440,000.00	$285,178,000,000.00
Rage	$2,642,475,000.00	$45,732,000,000.00

There's no significant difference between the mean and the median for application software, but there's a difference of around 5 billion for computer hardware companies. That's why the distribution is negatively skewed for Computer hardware companies while it is positively skewed for Application software companies.

Whereas, if we look at the range, we will see a big difference in the range where the Computer Hardware has $45 billion with a standard deviation of $21 billion compared to $2 billion $1 billion for Application software companies.

In conclusion, there's a big difference between the revenue of Computer Hardware and Application Software. Computer hardware companies' higher total revenue over the years.