



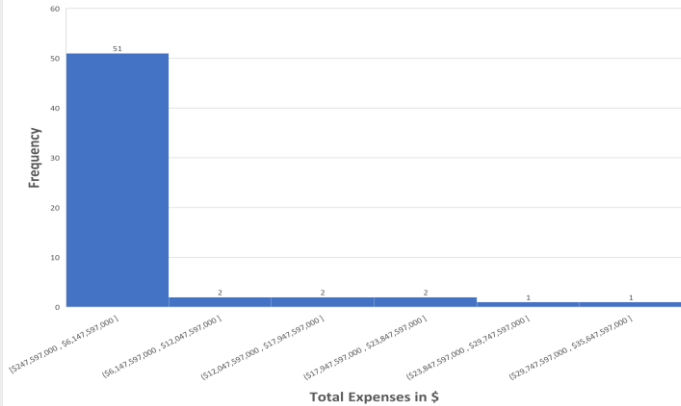
# PROJECT 2



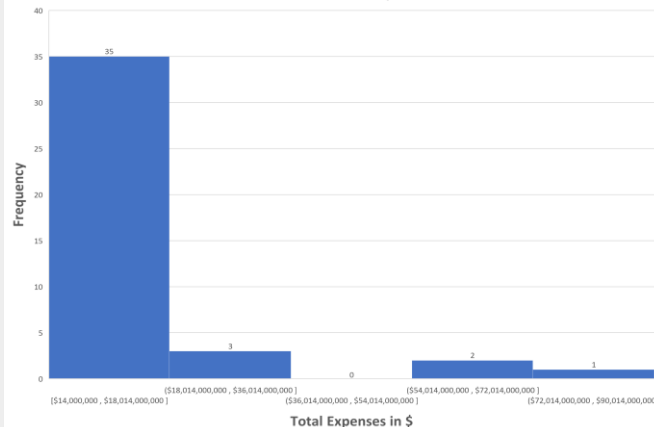
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Future seekers – business analytics  
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# Does the financial Sector have similar expenditure levels for operating expenses than the IT sector in Year 1?

NYSE IT Sector Total Expenses for Year 1



NYSE Financial Sector Total Expenses for Year 1



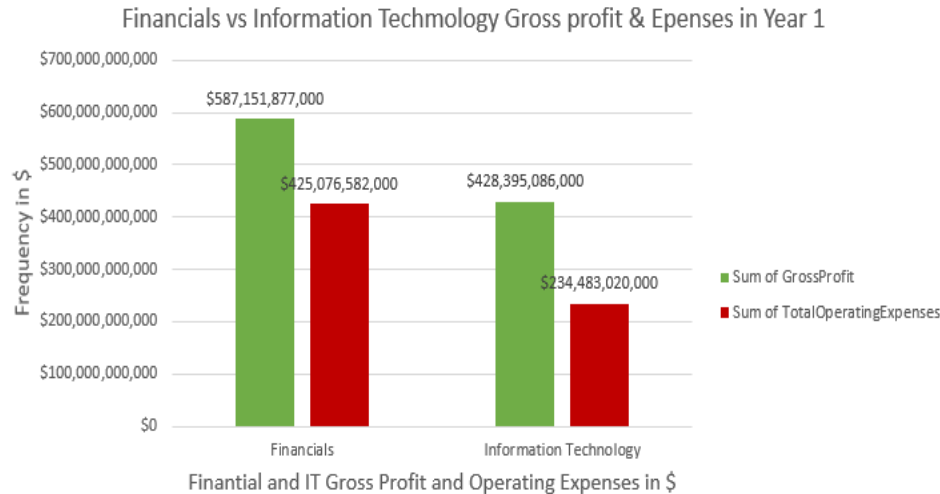
Here are this Histograms for the annual expenses for Financial & IT Sector for all companies in Year 1.

Both distribution are right-skewed or positively skewed. That means, the mean for each is higher than the median.

The mean for IT is about \$3.9 billion, and for Financial is slightly above at \$10.3 billion. However, the median for Financial is double (\$3.4 billion) and the median for IT (\$1.7 billion)

The standard deviation for Financial is also slightly more (\$18 billion for Financial and \$6.5 billion for IT companies). That means, the variability in operating expenses for Financial is higher, with more companies spending above (\$72 billion), and more than 50% of Financial companies spending more than (\$3.4 billion) that year on operating expenses.

# Which Sector has the more benefits in 1 Year ?



Here are this Bar chart for Gross profit, operating expenses for Financial & IT Sector companies in Year 1.

The green bar means the Gross profit & red bar for operating expenses.

The Financial Sector companies has more gross profit than the IT but the range for IT sector between gross profit and operating expenses about (\$193 billion and for Financial \$162 billion) so that the investment in IT has more benefit than Financial