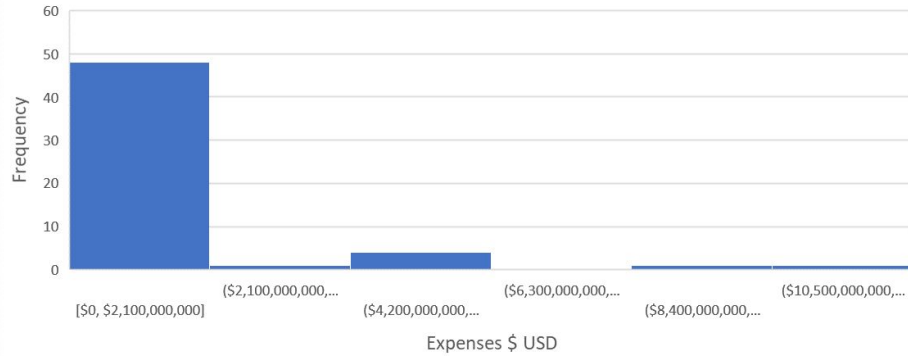
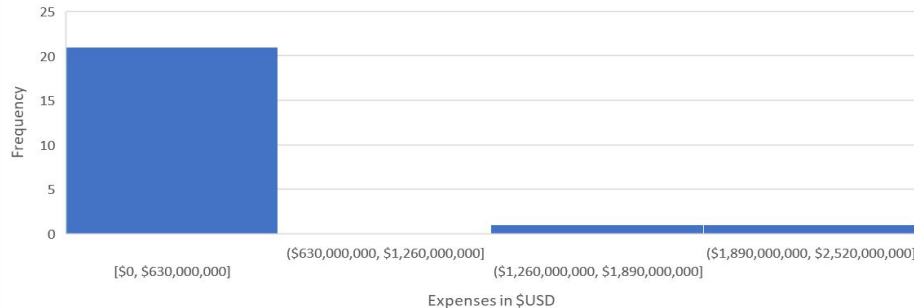


In 2013, how did the mean expenses in research and development for the IT Sector compare to the Materials sector?

IT Research and Development Expenses



Materials Research and Development Expenses



These are the histograms for the research and development expenses of each sector in the year 2013.

Both of these graphs show a right-skewed distribution. By seeing this we know that the mean is greater than the median.

The mean value for the IT sector is close to \$1.3 billion dollars, whereas the mean of the Materials sector is \$250 million. The IT sector median (\$584 million) is seven times bigger than the median for the materials sector (\$82 million). For the standard deviation the Materials sector (\$509 million) is a fourth the amount that the IT sector (\$2.2 billion) is. The range for IT (\$10 million) in R&D is much higher than in Materials (\$2 million), which shows how volatile the IT sector is compared to the Materials sector. All this information shows that R&D expenses in the IT sector are much higher than in the materials sector.