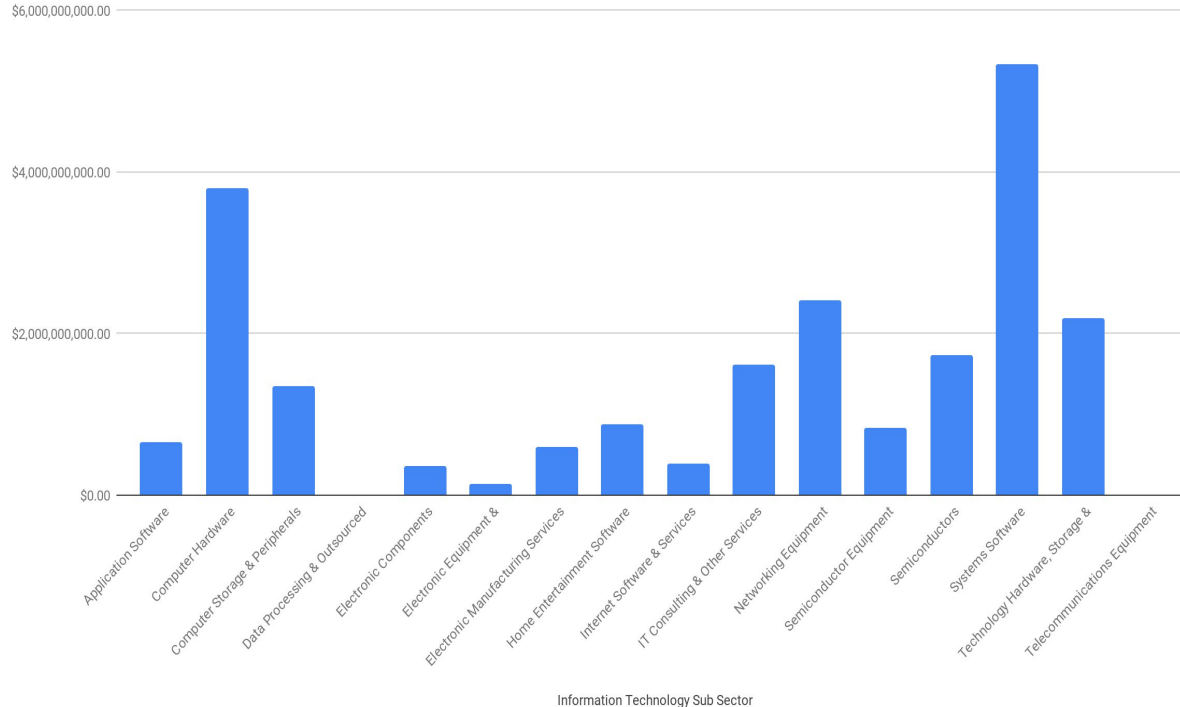


# How does average spending on Research and Development compare among Information Technology sub sectors?

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Information Technology Year 1 Average R&D Expenditure



- This bar chart shows the average spending on Research and Development for each sub sector of Information Technology.
- Based on this chart, we can see there are outliers, such as Data Processing & Outsourced Services and Telecommunications Equipment, which do not spend any money on Research and Development, and Systems Software which spends significantly more than other sub sectors. These outliers will greatly affect the average spending as a whole for the Information Technology sector. Thus, we should be mindful of them as we compare average spending between sub sectors.
- The average spending on Research and Development for all Information Technology companies is \$1,255,537,152.54. However, the median is only \$590,000,000.00. The Standard Deviation is \$2,205,410,038.28, indicating that spending on Research and Development varies widely among Information Technology companies with more than half of the sub sectors spending less than \$2,000,000,000.00. We can see the effect of the outlier data here, as Systems Software spent \$5,337,075,000.00, the maximum amount of any sub sector in our data, and well above even the third quartile spending amount of \$1,117,300,000.00.