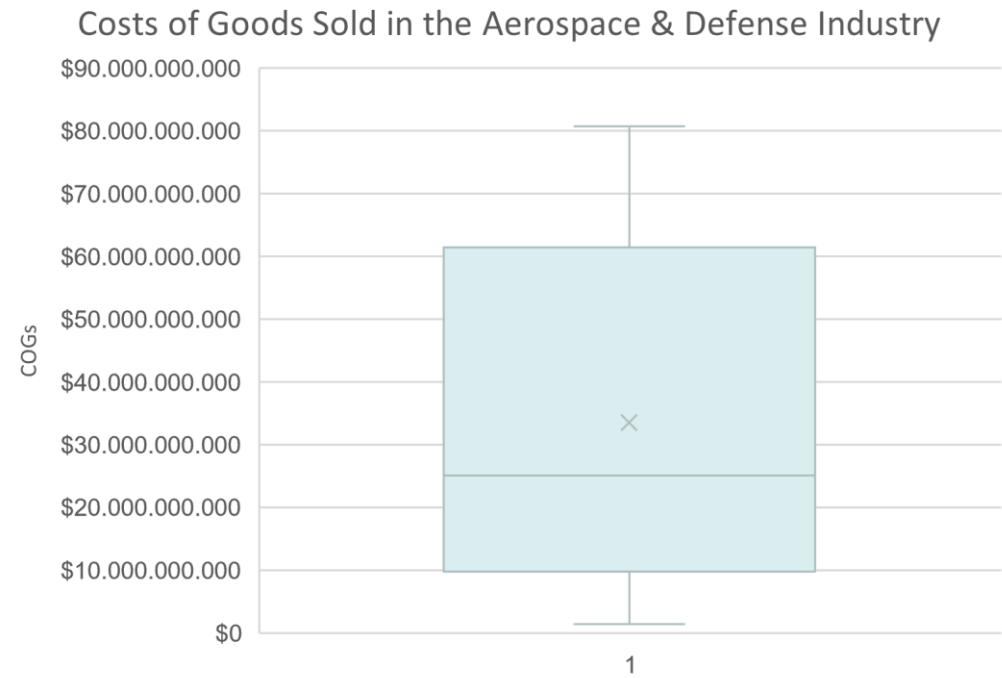


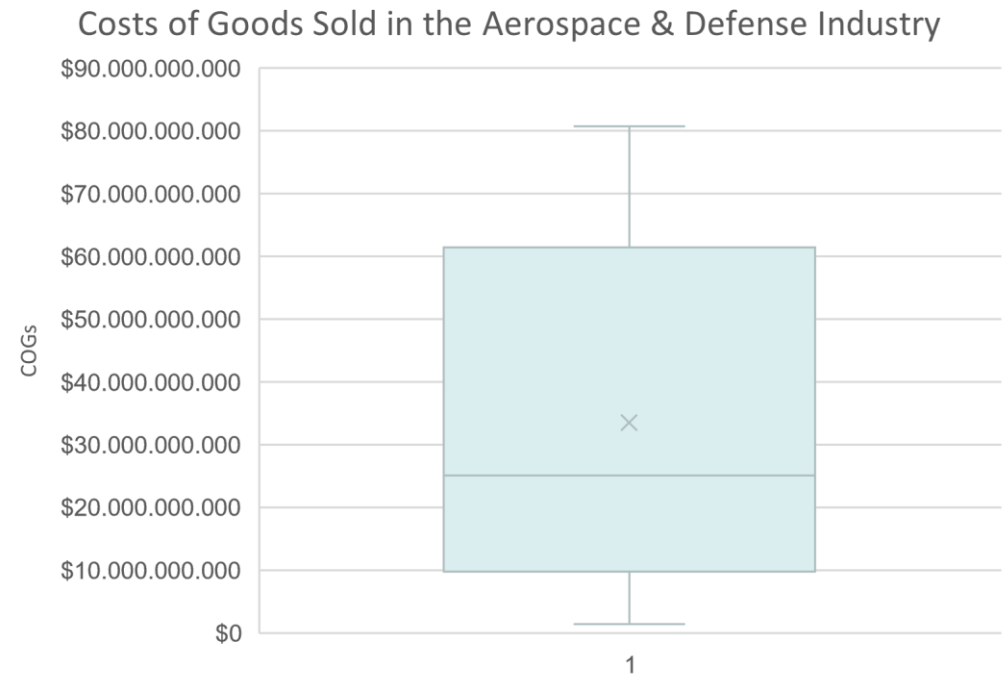
Does the Aerospace & Defense (AD) Industry have higher developing costs (COGs) than the Industrial Conglomerates (IC) in year 4?



Here you can see the box-plots for the Costs of Goods sold in year 4 for the AD Industry (left) and the IC (right). You can see that the average developing costs for the AD Industry are way higher than the average developing costs for the IC in year 4.

The mean for the AD Industry is ca. at \$33billion while the mean for the IC is ca. at \$9.8billion. In both industries the mean is higher than the median, which is at \$25billion for AD and \$8.3billion for IC – meaning that the data is positively skewed in both cases but even higher positively skewed for the AD industry.

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Furthermore you can see that the range of costs is almost doubled in the AD Industry with almost \$80billion compared to the IC Industry with \$40billion, which means the costs between companies regarding their COGs is by far more spread out in the AD industry. However in the IC industry you can find some outliers which exceed the median of the AD COGs and even one outlier which exceeds the mean COGS of the AD industry.

This indicates that at least one IC company has extremely high COGs compared to other companies in the IC industry, but there are still companies in the AD industry which easily exceed those costs.



The standard deviation for the AD industry regarding their COGs is also by far higher (with almost \$30.2billion) compared to the standard deviation of the IC industry (with approximately \$9.8billion) which also indicates a higher spread in COGs for the AD industry. So the overall variability of COGs costs is definitely higher than that of the IC industry.

While more than half of the AD companies spend at least \$25billion in developing costs for their products and services, in the IC industry more than half of all companies do not even spend \$10billion in year 4 for their COGs.