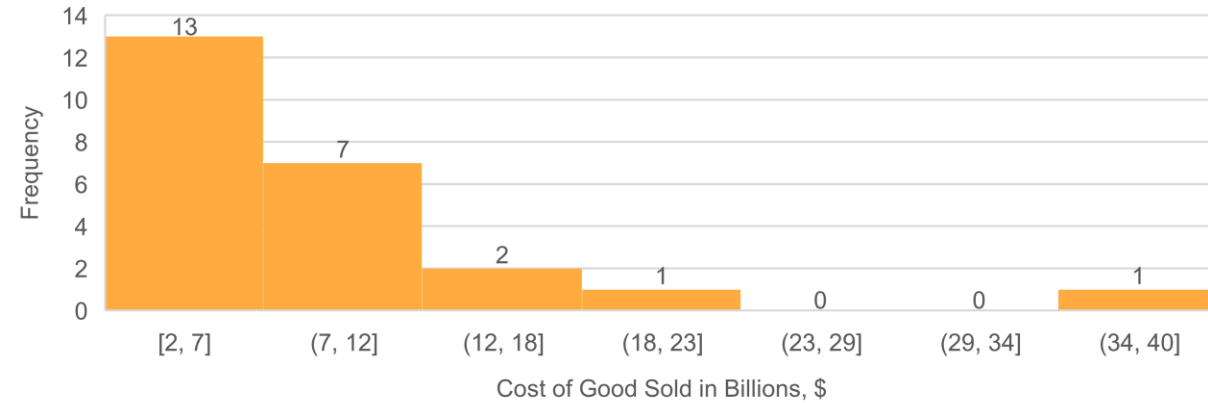
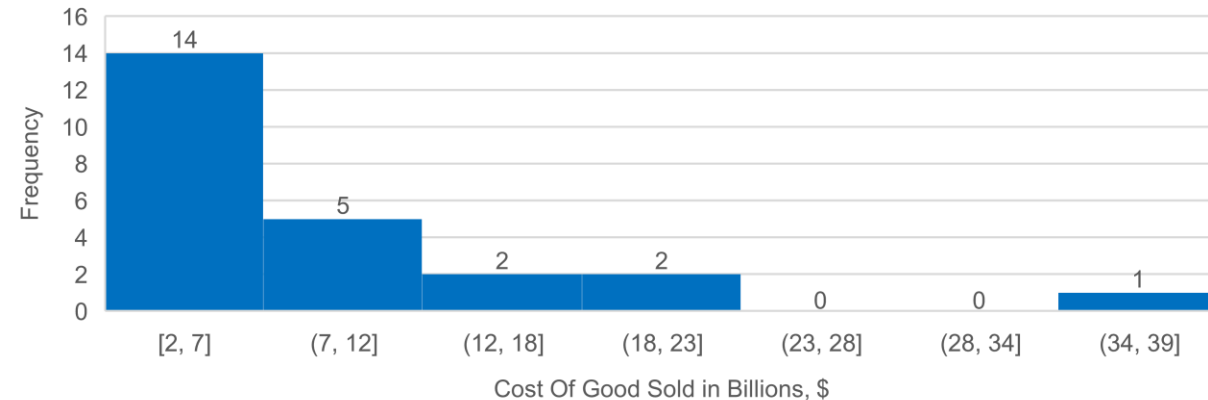


How is the change in terms of Cost-of-good-sold between Year 1 and Year 3 for Materials Sector?

COGS for Materials Sector in Year 1



COGS for Materials Sector in Year 3

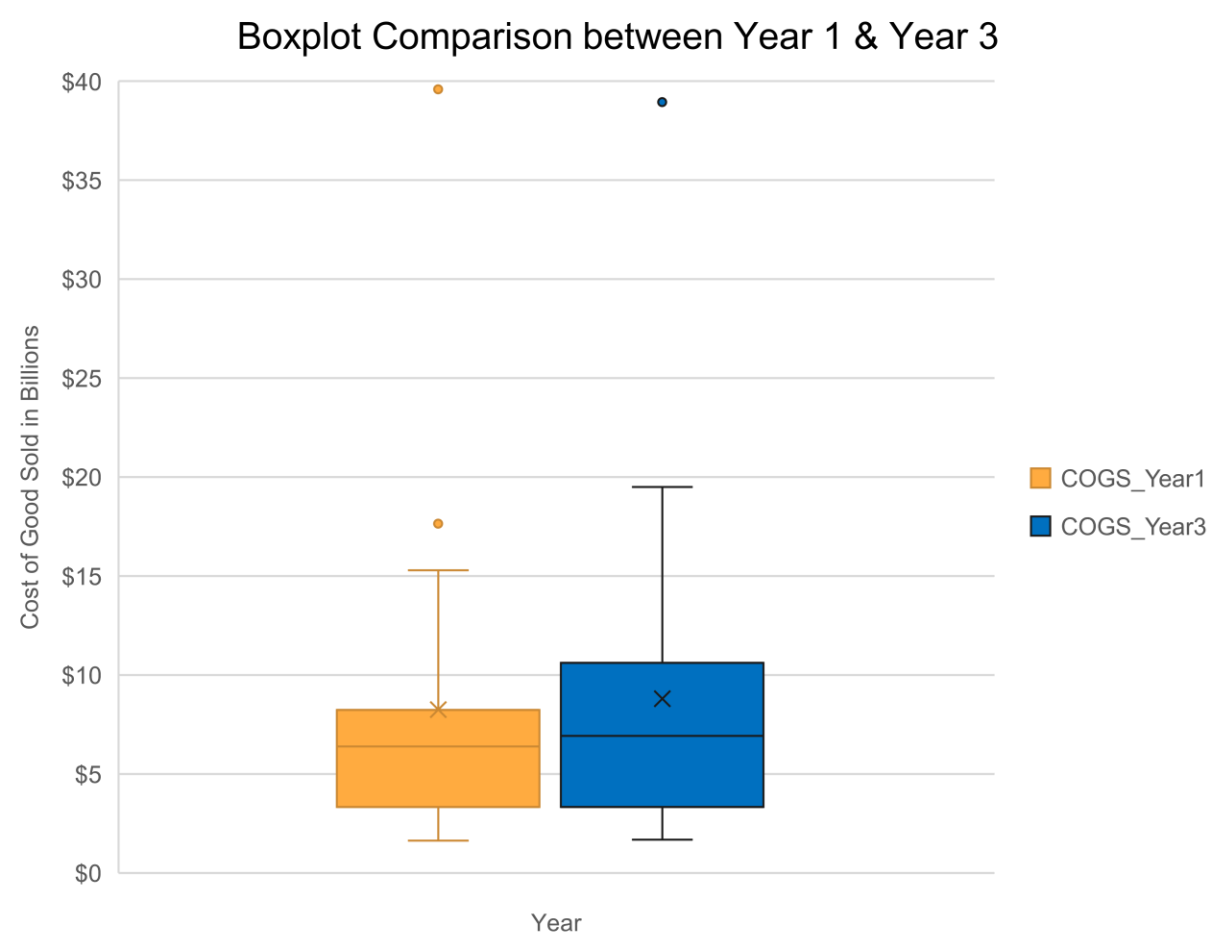


Here are histograms of the annual COGS for all companies reported in Material Sector between Year 1 and Year 3.

It is clear that the distribution for both charts is positively skewed (or right-skewed), which implies that mean is not the best estimator for the data.

The mean for Materials sector in Year 1 is (\$ 8.2 b), which is lower compared to Year 3 (\$8.8 b). It looks like that companies in the Material Industry have higher COGS in Year 3 (2014) than in Year 1 (2012).

How is the change in terms of Cost-of-good-sold between Year 1 and Year 3 for Materials Sector?



From the chart, both the mean and median for Year 3 are slightly higher than Year 1. This indicates an overall increase in COGS from Year 1.

COGS in Year 3 has more variation, where the standard deviation is \$8,11 b which is higher than \$7.96 b in Year 1. This indicates more variability in prices for Year 3 compared to Year 1.

The range of COGS for Year 3 (\$38.0 b) is higher than the range for Year 1 (\$37.3 b). It looks like companies in Material sector have more variability in Year 3 because the range of their COGS is more spread out.