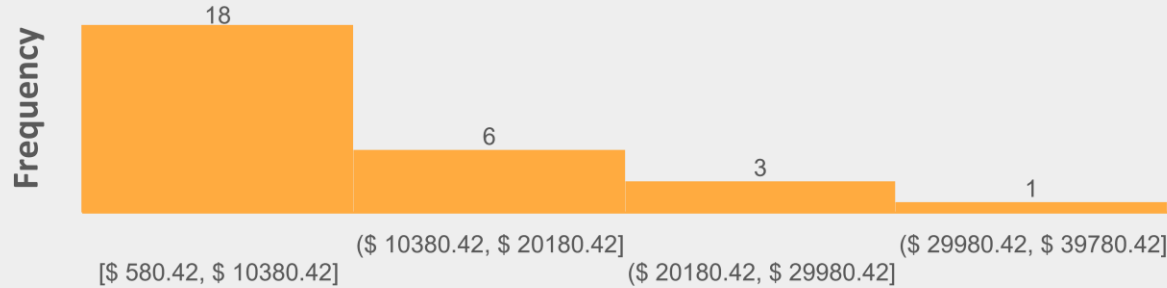


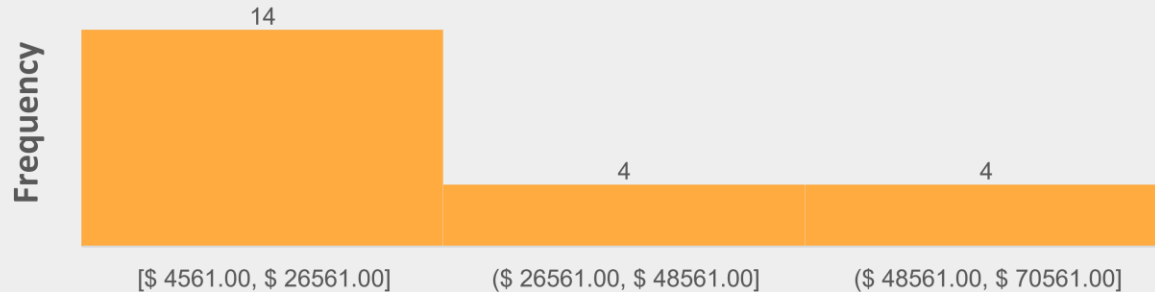
Does Pharmaceuticals have higher revenue than Biotechnology?

Total Revenue for Biotechnology from Year 1 to Year 4



Total Revenue in Million

Total Revenue for Pharmaceuticals from Year 1 to Year 4



Total Revenue in Million

The Histogram here shows us the total revenue for **Pharmaceuticals** and **Biotechnology** sectors for all companies in years 1 to 4, Both **histograms** have right-skewed the mean in each is higher than the median.

The **mean** for the **Pharmaceuticals** sector is **(26.3 Billion)** while for the **Biotechnology** sector it is **(9.3 Billion)**.

However, the median for the **Pharmaceuticals** sector is **(21.2 Billion)** which is almost 2.9 times the median for the **Biotechnology** sector **(7.3 Billion)**.

The **Range** for the **Pharmaceuticals** sector is **(50 Billion)**, and **Biotechnology** is **(32.6 Billion)** which shows us that the **Pharmaceuticals** sector **values** are more spread from the mean than the **Biotechnology** sector, and that could be due to certain **outliers**.

The **standard deviation** for **Pharmaceuticals** is **(17.5 Billion)** which is more than double and it's more spread out from the mean, The **Biotechnology** sector **(8.5 Billion)** which less spread out than the **Pharmaceuticals** sector to the mean.

More than 50% of the **Pharmaceuticals** companies have a total revenue of **(21.2 Billion)**

This means the total revenue for the **Biotechnology** sector is higher than the **Pharmaceuticals** sector in all years.