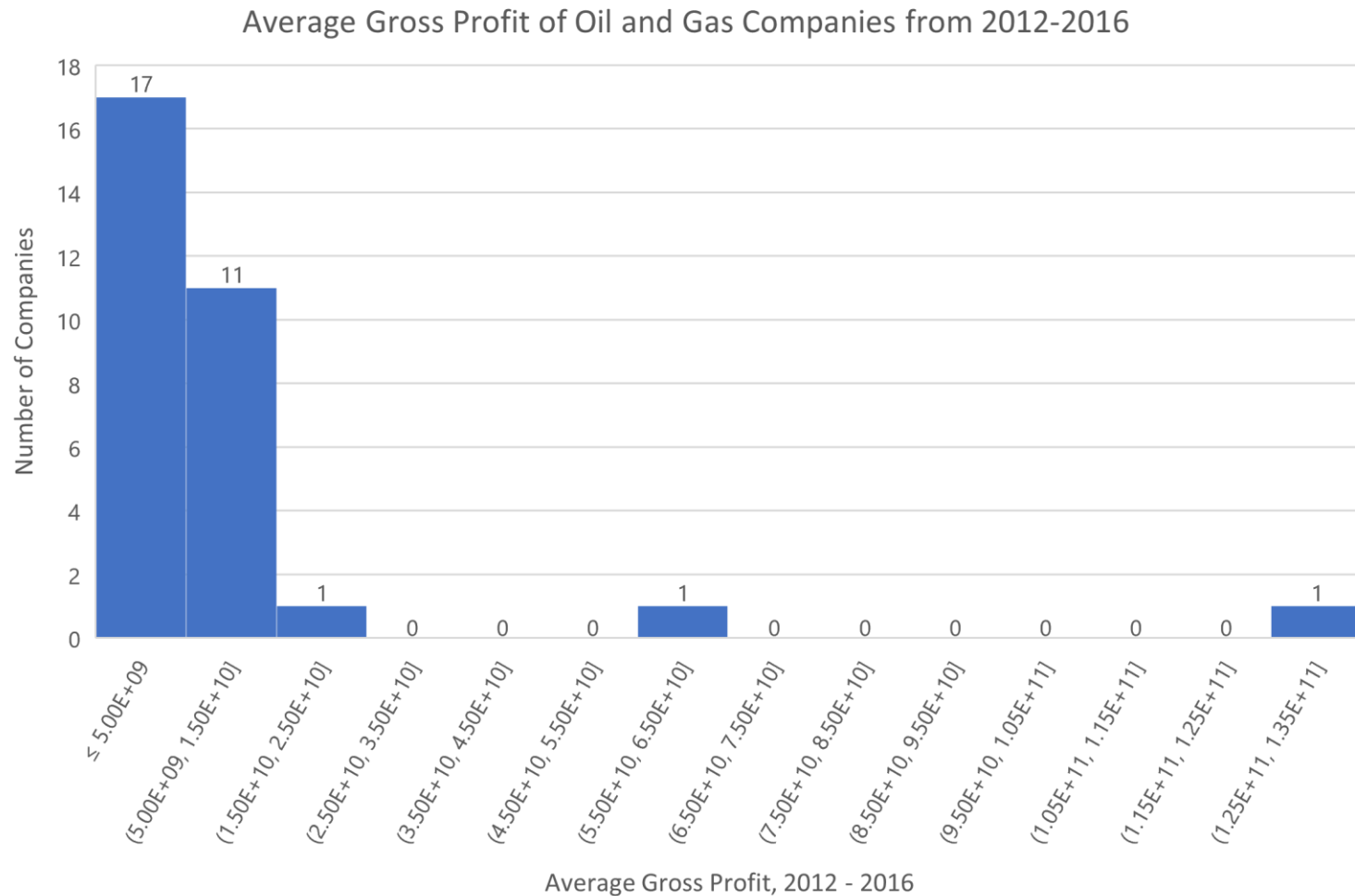


Analyzing NYSE Data

Business Analytics Nanodegree – Udacity

6th August 2020

What is the Average Gross Profit of Oil and Gas Companies from 2012-2016?



The picture on the left shows the histogram of the average profit of 31 oil and gas companies from 2012-2016 that were listed on the NYSE.

The mean average profit is \$11.4 billion while the median is \$4.62 billion. From these statistics and the graph we can see that there is a significant rightward skew with the mean being more than double the median.

Most companies made an average profit of less than \$15 billion but two outliers Chevron and Exxon Mobil were outliers, having average profits of \$55 billion and \$126 billion respectively, pulling the mean rightward.

The large standard deviation and range of \$23.6 billion and \$126 billion can also be explained by the 2 outliers. Without them the standard deviation falls to a more reasonable \$4.89 billion while the range would only be \$19.5 billion.