



# Analyze NYSE Data

## Business Analytics – Udacity

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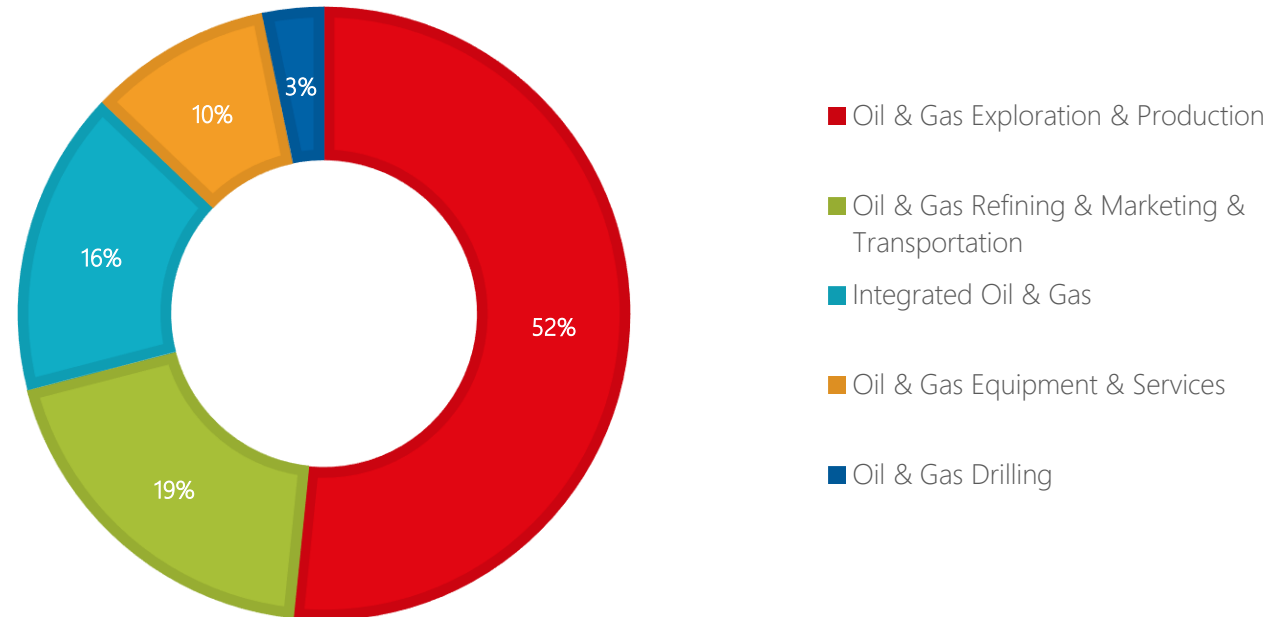
# Question

What is the evolution of the total revenue of the energy sector over 4 years?



# Which sub-industry has the largest presence on the New York Stock Exchange?

SECTORAL DISTRIBUTION OF THE ENERGY GICS SUB INDUSTRY

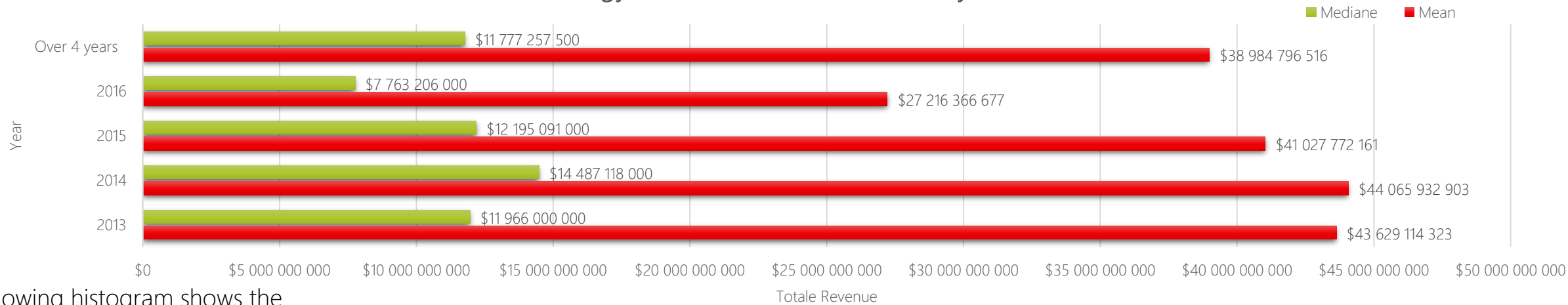


The pie chart shows us that the energy companies listed on the stock exchange are mainly oil producers.



# • Analysis of total revenue 2013-2016 •

Energy sector total revenue over 4 years



The following histogram shows the average total revenue for the years 2013 to 2016. From 2013 to 2015 the average total revenue was about 40 billion. But in 2016, there is a sharp decline with an average total revenue of 27 billion, a decrease of 32.5%. The oil market is indeed a very volatile market where the law of supply and demand directly impacts total revenue.

The standard deviation over 4 years is 79 864 818 249,62 which is very high therefore the values are therefore very extensive. But in 2016, the standard deviation dropped at 53 672 059 913,33. Thus in 2016 the disparity in total revenue was much less than in the other years of the analysis. The revenues of energy companies were more homogeneous. This is supported by the range which was \$ 258 306 296 000,00 in 2016 compared to \$ 450 327 296 000,00 over 4 years.



During these years it was Exxon that stood out by reaching a total income of 451 509 000 000,00\$ in 2013. On the other hand RRC hits the bottom with only 1 181 704 000,00\$ of total revenue in 2016, the lowest total revenue over the period 2013-2016.