

Data Visualization

- Data visualization is where a given data set is presented in a graphical format. It helps the detection of patterns, trends, and correlations that might go undetected in text-based data.
- Understanding your data and the relationship presents within it is just as important as any algorithm used to train your machine learning model. In fact, even the most sophisticated machine learning models will perform poorly on data that wasn't visualized and understood properly.
- To visualize the dataset we need libraries called Matplotlib and Seaborn.
- The Matplotlib library is a Python 2D plotting library that allows you to generate plots, scatter plots, histograms, bar charts, etc.

Let's visualize our data using the Matplotlib and seaborn library.

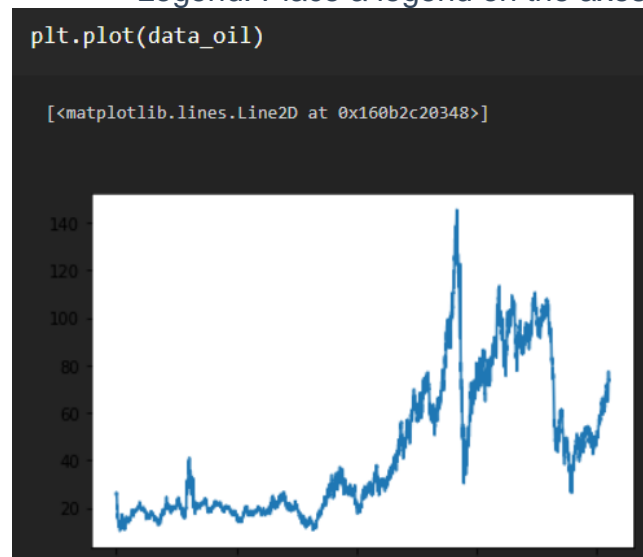
Before diving into the code, let's look at some of the basic properties we will be using when plotting.

xlabel: Set the label for the x-axis.

ylabel: Set the label for the y-axis.

title: Set a title for the axes.

Legend: Place a legend on the axes.



From the graph, we infer that crude oil prices are increasing day by day but, we cannot say that it is completely increasing as there is a significant drop in some years.