**Machine Learning:** **layman's terms**

The data era has arrived, and We have to accept it and prepare enough for it. We have to accept the fact that data is money and data is future. The reason why am saying this is? data is used to improve business and data has used to make decisions and predict the futureData has added a lot of value, improvement and it has transform business, tech, and finance. It has taken the world to a level where making decision and prediction accurately.

**Machine learning in a Nutshell**

In general, machine learning is a subfield of artificial intelligence used to make decisions or predictions based on previous patterns found in the data. It's a way to make computers learn from experience and adjust accordingly for repeating processes and outcomes without having to be programmed in advance with specific instructions like traditional algorithms. To put it in layman's terms: it is basically making machines smarter by enabling them to learn, predict and adapt from past behavior. It is a way of achieving artificial intelligence without having to specify all the rules and processes ahead of time.

**Purposes of Machine Learning**

Machine-learning algorithms use historical data to predict new output values and make decisions based on that information. This type of artificial intelligence has reduced workloads for many industries, including healthcare and finance, by automatically recognizing patterns in their records that might otherwise go unnoticed! With machine learning, programs can become more accurate at predicting outcomes without being explicitly programmed. Machine learning is great, but what makes it stand out is its capacity to predict outcomes to avoid any negatives in the future. A few examples of these are market demand forecasts, stock prices, and even survival predictors to see how feasible it is for someone to survive in a given situation.

To be continue ...