Scikit-learn

Scikit-learn (also referred as sklearn) is a python library widely used for machine learning. It is characterized by a clean, uniform and streamlined API.

Machine Learning (ML)is a branch of artificial intelligence that aims at building systems that can learn from data, identify patterns and make decisions with minimal human intervention.

The objective here is to introduce the usage of a scikit-learn library for different stages of ML model building.

Let us understand the stages of this process with the following example:

### Problem Statement:

Engineers at XYZ custom cars now want to create a machine learning **model** that can predict the **mpg** of any car that comes to their garage. MPG refers to Miles per gallon.

### Solution:

A linear regression model is to be made for this problem. The different stages to be followed in ML Model building is shown below:

