

# A simple introduction to Linear Regression

---

## Objective:

- To Understand Linear regression: A Supervised Technique
- Understanding the Implementation of Linear Regression using sk-learn library

**Key Terms:** Linear Regression, Implot, Supervised learning, reshape(-1,1) command

## Dataset:

The Dataset is available publicly on kaggle and can be downloaded from this [link](#).

## Assignment 1. Data Preparation

- Load the dataset
- Set the labels and features
- Split into train, validation, test using *Sk-learn library*.

## Assignment 2. Model

- Load the model
- Train the model
- Make predictions using trained model
- Evaluate model on test data