**Student Marks Prediction**

**What you’ll learn:**

* Problem Understanding.
* Importing Libraries.
* Importing Dataset into Dataframes.
* Data Exploration
* Data Cleaning (Remove irrelevant columns, missing or incorrect values)
* Converting Data formats into its correct format..
* Analysing using Descriptive statistics methods.
* Data Visualization using interactive plots and graphs.
* Converting Categorical object features into Categorical numeric features (One Hot Encoding).
* Exploratory Data Analysis
* Univariate, Bivariate and Multivariate Analysis.
* In depth analysis of dataset.
* Building a model for predicting student marks.
* Evaluating a model to find out its performance.
* Finding out the best features which are contributing the most in prediction.

**Project Description:**

This is a basic project for the beginners in Machine Learning. The aim of this project is to predict the marks of the students based on the different criterias (independent features).

The dataset includes the following columns:

* Gender: gender of a student (Male of Female).
* race/ethnicity: Students are divided into groups.
* Parental Level of Education: Qualification of student’s parents.
* Lunch: Standard or Free/reduced.
* Test preparation course: Course has been completed or not.
* Math score: Scores scored in maths.
* Reading score: Scores scored in reading.
* Writing score: Scores scored in writing.