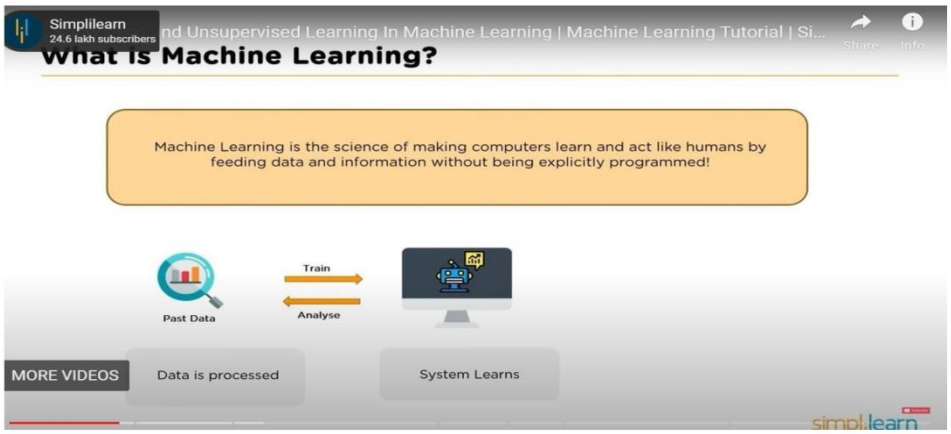
Prior Knowledge

Team ID	**IBM-Project-48356-1660806996**
Project Name	University Admit Eligibility Predictor

1.Supervised and Unsupervised learning:

Supervised learning, also known as supervised machine learning, is a subcategory of machine learning and artificial intelligence.It is defined by its use of labeled datasets to train algorithms that to classify data or predict outcomes accurately. As input data is fed into the model, it adjusts its weights until the model has been fitted appropriately, which occurs as part of the cross validation process.



Unsupervised machine learning and supervised machine learning are frequently discussed together. Unlike supervised learning, unsupervised learning uses unlabeled data. From that data, it discovers patterns that help solve for clustering or association problems. This is particularly useful when subject matter experts are unsure of common properties within a data set. Common clustering algorithms are hierarchical, k-means, and Gaussian mixture models.

Semi-supervised learning occurs when only part of the given input data has been labeled. Unsupervised and semi-supervised learning can be more appealing alternatives as it can be time-consuming and costly to rely on domain expertise to label data appropriately for supervised learning.

2. Regression:

Regression is the process of predicting continuous values.

In this hands-on guided project, we will train regression models to find the probability of a student getting accepted into a particular

university based on their profile. This project could be practically used to get the university acceptance rate for individual students using web application.

Predict categorical outcomes and apply nonlinear regression procedures. Test this function with a full-feature SPSS trial, or contact us to buy.

Classification:

Classification is the process of predicting discrete class labels or categories. Classification by Coursera provides the students with a detailed emphasis on the main types of modelling that are involved with the genre of machine learning. The students will learn elaborately to train the predictive models that are involved and used across various domains. The Supervised Machine Learning: Classification certification syllabus will be covered on the online platform by the students over a time frame of 11 hours. The course will train the students professionally in the domain of machine learning.

Clustering:

Clustering is a group of data points or objects that are somehow similar by: discovering structure / summarization / anomaly detection. Clustering can group data only unsupervised, based on the similar of customer to each other. A cluster is a group of objects that are similar to other.

3.Flask reference:

Flask reference is the web app that provides user with statistics to evaluate their chance of getting into a university based on college confidential comments. Flask web app that calculates of a student getting into a university. web applications based on their performance.