PRIOR KNOWLEDGE

SUPERVISED LEARNING

A subset of machine learning and artificial intelligence is supervised learning, commonly referred to as supervised machine learning. It is distinguished by the way it trains computers to accurately classify data or predict outcomes using labeled datasets.

UNSUPERVISED LEARNING

Unsupervised learning is the process of using AI algorithms to find patterns in data sets including data points that are neither classified nor labeled.

REGRESSION

Regression is a method for determining how independent traits or variables relate to a dependent feature or result. It is a technique for machine learning predictive modeling, where an algorithm is used to forecast continuous outcomes.

CLASSIFICATION

It is possible to do classification on both structured and unstructured data. Classification is the act of categorizing a given collection of data into classes. Predicting the class of the provided data points is the first step in the procedure. The terms target, label, and classes are frequently used to describe the classes.

CLUSTERING

The objective of clustering is to divide the population or set of data points into a number of groups so that the data points within each group are more similar to one another and different from the data points within the other groups. It is essentially a grouping of items based on how similar and unlike they are to one another.

CNN

Machine learning includes convolutional neural networks, sometimes known as convnets or CNNs. It is a subset of the several artificial neural network models that are employed for diverse purposes and data sets.

ANN

Artificial Neural Networks (ANN) are brain-inspired algorithms that are used to foresee problems and model complex patterns. The idea of biological neural networks in the human brain gave rise to the Artificial Neural Network (ANN), a deep learning technique.

FLASK

A micro framework built on Python called Flask is used to create simple websites. Python makes it very simple to create Restful APIs with Flask. We currently have a model, which is a model,which uses different data properties to predict a class of the data.