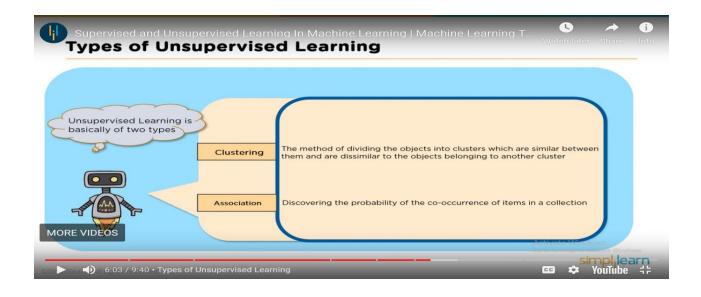
PRIOR KNOWLEDGE

Team ID: PNT2022TMID34608

Supervised and unsupervised learning:

In Supervised Learning, a machine is trained using 'labeled' data. Datasets are said to be labeled when they contain both input and output parameters. In other words, the data has already been tagged with the correct answer. Supervised machine learning is immensely helpful in solving real-world computational problems. The algorithm predicts outcomes for unforeseen data by learning from labeled training data. Therefore, it takes highly-skilled data scientists to build and deploy such models.

Unsupervised learning, also known uses machine learning algorithms to analyze and cluster unlabeled datasets. These algorithms discover hidden patterns or data groupings without the need for human intervention. Its ability to discover similarities and differences in information make it the ideal solution for exploratory data analysis, cross-selling strategies, customer segmentation, and image recognition.

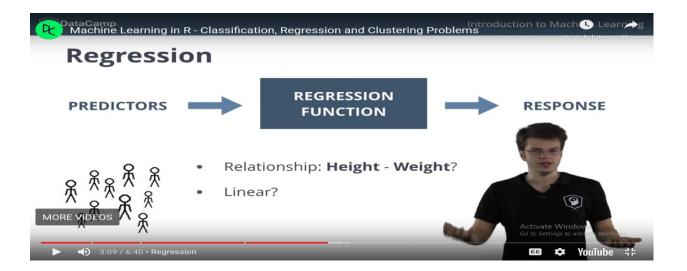


Regression: -

Regression is the type of supervised machine learning, When the output is continuous like age, height etc. one of very popular regression algorithm is Linear Regression.

Types of Regression:

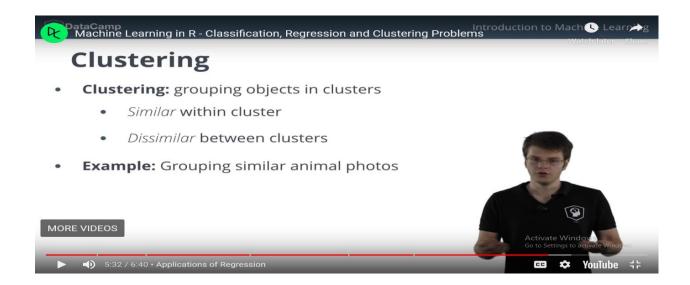
- Linear Regression
- Ridge Regression



Clustering:

Clustering is unsupervised machine learning algorithm, it is used to group data point having similar characteristics as cluster. Clustering is divided into two groups

- Hard clustering In hard clustering, the data point is assigned to one of the clusters only.
- Soft clustering It provides a probability likelihood of a data point to be in each of the clusters



Python Flask:

Flask Tutorial provides the basic and advanced concepts of the Python Flaskframework. Our Flask tutorial is designed for beginners and professionals.

Flask is a web framework that provides libraries to build lightweight web applications in python. It is developed by Armin Ronacher who leads an international group of python enthusiasts (POCCO).



What is Flask?

Flask is a web framework that provides libraries to build lightweight web applications in python. It is developed by Armin Ronacher who leads an international group of python enthusiasts (POCCO). It is based on WSGI toolkit and jinja2 template engine. Flask is considered as a micro framework.