PRIOR KNOWLEDGE

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Machine Learning

Machine learning (ML) is a type of artificial intelligence (AI) that allows software applications to become more accurate at predicting outcomes without being explicitly programmed to do so. Machine learning algorithms use historical data as input to predict new output values.

Types of Machine Learning

- Supervised Learning
- Unsupervised Learning

Supervised 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 labelled datasets to train algorithms that to classify data or predict outcomes accurately.

Unsupervised Learning

Unsupervised learning, also known as unsupervised machine learning, uses machine learning algorithms to analyse and cluster unlabelled datasets. These algorithms discover hidden patterns or data groupings without the need for human intervention.

Regression Classification and Clustering

Regression and Classification are types of supervised learning algorithms while Clustering is a type of unsupervised algorithm.

Logistic Regression

Logistic regression is commonly used for prediction and classification problems. Logistic regression models can help teams identify data anomalies, which are predictive of fraud.

Flask

Flask is used for developing web applications using python, implemented on Werkzeug and Jinja2. Advantages of using Flask framework are: There is a built-in development server and a fast debugger provided.