

1 Machine learning is a subset of artificial intelligence that focuses on developing algorithms capable of learning from and making predictions or decisions based on data.

2 The main types of machine learning algorithms are:

1. Supervised learning
2. Unsupervised learning
3. Reinforcement learning

3 Supervised learning is a type of machine learning where the model is trained on a labeled dataset. The goal is to learn a mapping from inputs to outputs so that the model can make predictions on new, unseen data.