

Neural Networks

Neural Networks are a class of machine learning algorithms inspired by the structure and function of the human brain. They consist of interconnected nodes (neurons) arranged in layers and are capable of learning complex patterns from data. Neural networks are used for tasks such as image recognition, speech recognition, natural language processing, and reinforcement learning. Deep neural networks, with multiple layers, have shown remarkable performance improvements in various domains, leading to breakthroughs in artificial intelligence and machine learning.