

Learn about artificial neural networks, using the backpropagation algorithm to build applications.

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Abstract: This topic focuses on analyzing and implementing artificial neural networks (ANN) through the backpropagation algorithm. The research context stems from the increasingly strong development of artificial intelligence in practice. The objective is to build an efficient machine learning system to solve complex problems. The method includes both theoretical research on ANN and experimental implementation through specific applications. The expected result is to provide a highly applicable solution, contributing to the development of artificial intelligence technology.

Keywords: Artificial neural network, Backpropagation algorithm, Artificial intelligence, Machine learning system