

Deep Learning and Neural Networks

Learn the fundamentals of deep learning and neural networks in this comprehensive training course.

Category: Big Data · Duration: 3 days

WHO IT IS FOR

- Data analysts and data scientists
- Teams that want hands-on practice on real scenarios

In this course, participants will gain a deep understanding of the principles and techniques behind deep learning and neural networks. From the basics of artificial neural networks to advanced topics like convolutional neural networks and recurrent neural networks, this training program covers it all. By the end of the course, participants will be equipped with the knowledge and skills necessary to build and deploy their own deep learning models.

Prerequisites

Basic knowledge of Python and machine learning concepts.

Syllabus

- Introduction to Neural Networks
- Artificial Neurons and Activation Functions
- Feedforward Networks and Backpropagation
- Optimization Algorithms for Neural Networks
- Convolutional Neural Networks
- Recurrent Neural Networks
- Generative Adversarial Networks
- Transfer Learning
- Deep Reinforcement Learning
- Natural Language Processing with Deep Learning
- Advanced Topics in Deep Learning
- Hands-on Projects and Case Studies