

ABCs of AI and Deep Learning

A
Artificial Intelligence (AI)



Machines mimicking human intelligence.

B
Backpropagation



Method for training neural networks by adjusting weights.

C
Convolutional Neural Network (CNN)



Deep learning algorithm for image processing.

D
Deep Learning



Subset of AI mimicking human brain's neural networks.

E
Epoch



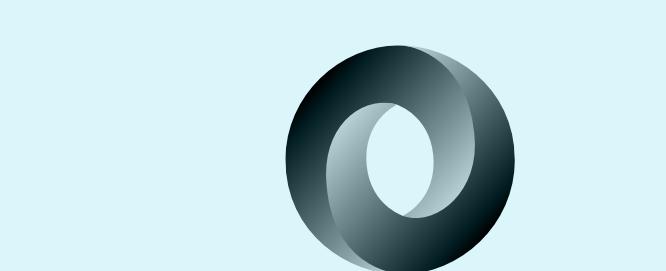
One complete presentation of the data set to the algorithm.

F
Feedforward Neural Network



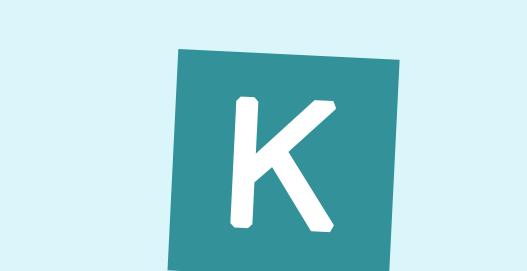
Network where information flows in one direction.

G
Generative Adversarial Network (GAN)



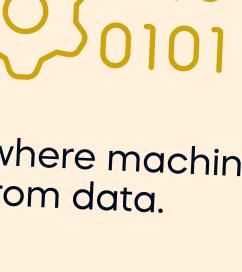
Unsupervised machine learning in a system of two neural networks.

H
Hebbian Learning



Learning rule that strengthens connections between co-active neurons

J
JSON (JavaScript Object Notation)



Lightweight data-interchange format, easy for humans to read and write.

K
Keras



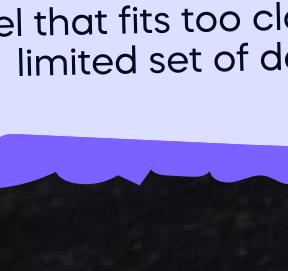
High-level neural networks API running on top of TensorFlow.

L
Long Short-Term Memory (LSTM)



Type of recurrent neural network capable of learning order dependence.

M
Machine Learning (ML)



Subset of AI where machines learn from data.

365 DataScience

Your Gateway to the World of Data, Machine Learning, and AI.

DATA SCIENCE

DATA SCIENCE