

# Artificial Intelligence Systems Neural Networks and Practices Mapping Reference Matrix

	Continuous Learning	Heuristic Learning	Reinforcement Learning	Semi-Supervised Learning	Supervised Learning	Unsupervised Learning	Computer Vision	Fault Tolerance Model Inegration	Frictionless Intergration	Natural Language Understanding	Pattern Regonition	Robotics	Speech Recognition
AutoEncoder (AE)						X				X			
Boltzmann Machine (BM)						X							
Deconvolutional Network (DN)				X	X		X				X		
Deep Belief Network (DBN)	X			X	X								
Deep Convolutional Inverse Graphic Network (DCIGN)				X	X		X				X		
Deep Convolutional Network (DCN)				X	X		X				X		
Deep Feedforward (DFF)	X		X	X	X						X		
Deep Residual Network (DRN)				X	X						X		
Denoising AutoEncoder (DAE)						X				X			
Echo State Network (ESN)				X	X			X	X				X
Extreme Learning Machine (ELM)				X	X								
Feedforward (FF)			X	X	X								
Generative Adversarial Network (GAN)						X							
Hopfield Network				X	X								
Kohonen Network (KN)				X	X								
Liquid State Machine (LSM)						X							
Long/Short Term Memory (LSTM)				X	X			X	X				X
Markov Chain (MC)						X							
Neural Turing Machine (NTM)				X	X								
Perceptron (P)				X	X								
Radial Basis Forward (RBF)			X	X	X								
Recurrent Neural Networks (RNNs)				X	X			X	X				X
Restricted Boltzmann Machine (RBM)						X							
Sparse AutoEncoder (SAE)						X				X			
Support Machine Vector (SVM)				X	X								
Variational AutoEncoder (VAE)						X				X			



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Official Supplement



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