

Artificial Intelligence Systems Problem Types and Neural Networks Mapping Reference Matrix

	AutoEncoder (AE)	Boltzmann Machine (BM)	Deconvolutional Network (DN)	Deep Belief Network (DBN)	Deep Convolutional Inverse Graphics Network (DCIGN)	Deep Convolutional Network (DCN)	Deep Feedforward (DFF)	Deep Residual Network (DRN)	Denoising AutoEncoder (DAE)	Echo State Network (ESN)	Feedforward (FF)	Generative Adversarial Network	Hopfield Network	Kohonen Network (KN)	Liquid State Machine	Long/Short Term Memory (LSTM)	Markov Chain (MC)	Neural Turing Machine (NTM)	Perceptron (P)	Radial Basis Forward (RBF)	Recurrent Neural Networks (RNNs)	Restricted Boltzmann Machine (RBM)	Sparse AutoEncoder (SAE)	Support Machine Vector (SVM)	Variational AutoEncoder (VAE)
Complex Analysis	X	X	X					X	X	X		X	X		X	X			X		X	X	X	X	
Graphic Recognition			X	X	X							X	X	X							X				
Language and Sentiment Analysis				X						X				X							X				
Predictions and Forecasting			X	X		X	X	X		X	X	X					X	X	X					X	
Autonomous Decision Making		X				X	X	X		X	X	X				X			X	X	X		X		



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