A mostly complete chart of Neural Networks Backfed Input Cell Deep Feed Forward (DFF) ©2016 Fjodor van Veen - asimovinstitute.org Input Cell Noisy Input Cell Perceptron (P) Feed Forward (FF) Radial Basis Network (RBF) Hidden Cell Probablistic Hidden Cell Spiking Hidden Cell Recurrent Neural Network (RNN) Long / Short Term Memory (LSTM) Gated Recurrent Unit (GRU) Output Cell Match Input Output Cell Recurrent Cell Memory Cell Auto Encoder (AE) Variational AE (VAE) Denoising AE (DAE) Sparse AE (SAE) Different Memory Cell Kernel Convolution or Pool Markov Chain (MC) Hopfield Network (HN) Boltzmann Machine (BM) Restricted BM (RBM) Deep Belief Network (DBN) Deep Convolutional Network (DCN) Deep Convolutional Inverse Graphics Network (DCIGN) Deconvolutional Network (DN) Liquid State Machine (LSM) Generative Adversarial Network (GAN) Extreme Learning Machine (ELM) Echo State Network (ESN) Deep Residual Network (DRN) Neural Turing Machine (NTM) Kohonen Network (KN) Support Vector Machine (SVM)