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) Deconvolutional Network (DN) Deep Convolutional Inverse Graphics Network (DCIGN) Liquid State Machine (LSM) Extreme Learning Machine (ELM) Echo State Network (ESN) Generative Adversarial Network (GAN) Deep Residual Network (DRN) Kohonen Network (KN) Support Vector Machine (SVM) Neural Turing Machine (NTM)