

AEANN Architecture - Autoencoder Sequential Input Development Specification - 29 December 2021 [DRAFT]

greedy autoencoder generated neural network

sequential input
(e.g. characters, words, sentences, paragraphs)

e.g. "the rabbit ran quickly."

input layer 0 (e.g. word vector)

hidden layer 1

hidden layer 2

hidden layer 3

hidden layer 4

train/predict higher level vertical module:
unsupervised autoencoder

train/predict next/lateral module:
semisupervised backprop/hebbian OR:
unsupervised autoencoder

Multiple networks can be generated at different layers of sequential abstraction
(e.g. characters, words, sentences, paragraphs):
Output/last/every node of network can be used to generate vector representation of the abstraction

