













Training Procedure: Stacked Auto-Encoder

Auto-encoder

Layer 1 = "compressed" version of input layer

Stacked Auto-encoder

- For every image, make a compressed image (= layer 1 response to image)
- Learn Layer 2 by using compressed images as input, and as output to be predicted
- Repeat similarly for Layer 3, 4, etc.

Some details left out

 Typically in between layers responses get agglomerated from several neurons ("pooling" / "complex cells")



