Auto-Encoder
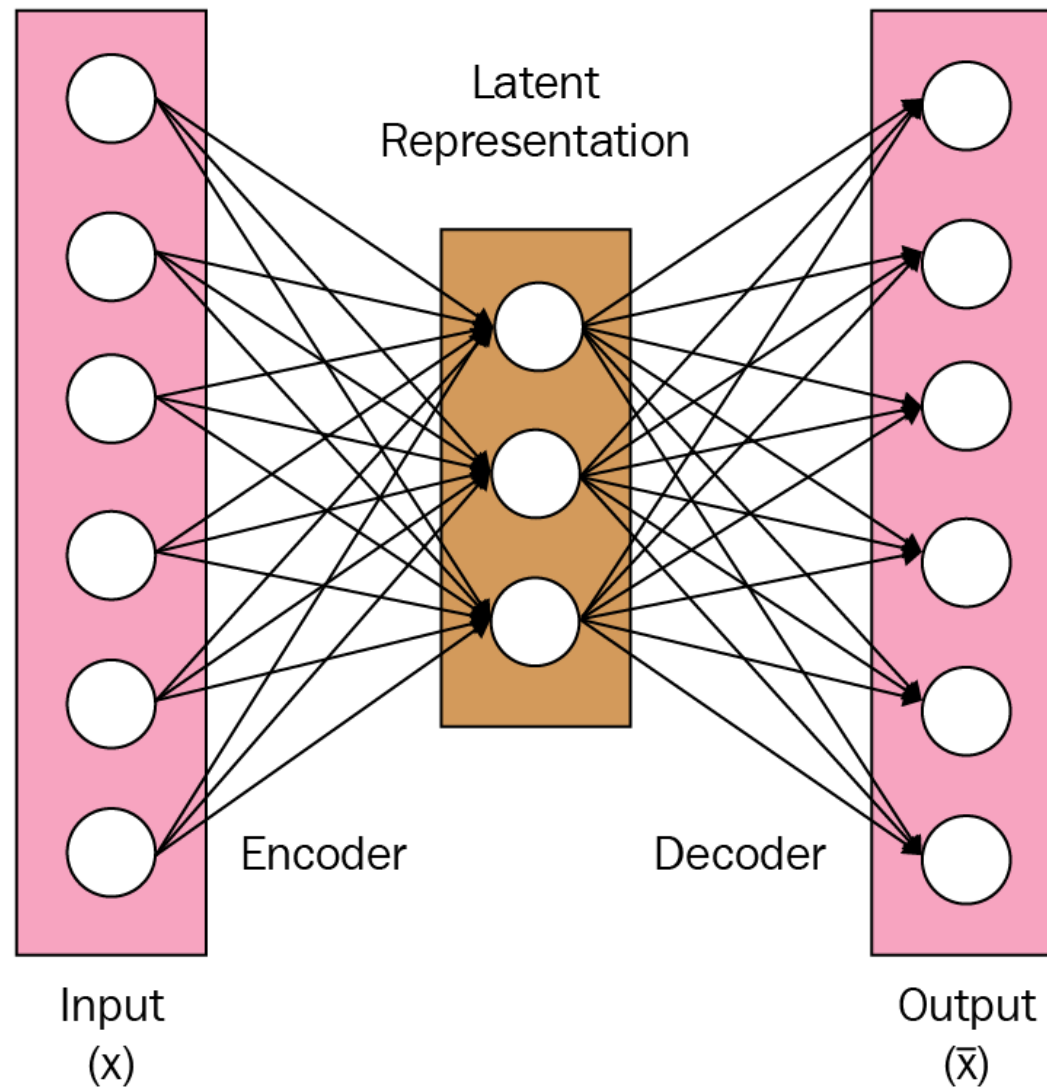

- PCA is the simplest auto-encoder:
  (1 hidden layer, no activation function, $\text{encoder}=P,\ \text{decoder}=P^T$) [1]