1. Deep learning is a subset of machine learning using neutral networks with multiple layers to analyze complex data.

2. Machine learning uses algorithms, while deep-learning used neutral network with multiple layers.

3. * Convolutional Neutral Networks (CNNs)

   * Recurrent Neutral Networks (RNNs)

   * Long Short-Term Memory (LSTM) networks

   * Generative Adversarial Networks (GANs)