Deep Learning

* In General Deep Learning is a machine learning algorithm, which takes X as input and predicts Y as output.
* Deep learning models learn the association/pattern between the inputs and outputs.
* Deep learning algorithm uses **“Neural Network”** to find associations between inputs and outputs.
* Neural Network is composed of input, hidden, and output layers – all of which are composed of “nodes”.
  + Input layers take in a numerical representation of data (e.g. images with pixel specs)
  + Output for Output layers are predictions.
  + Hidden layers are correlated with most of the computation.