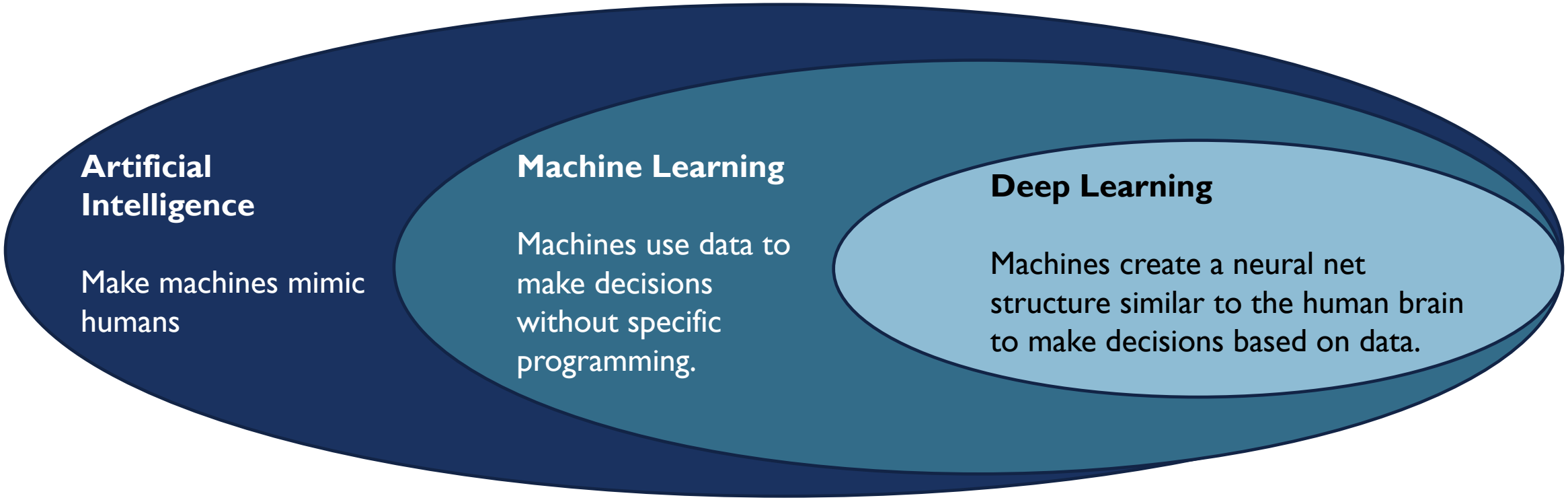


DEEP LEARNING

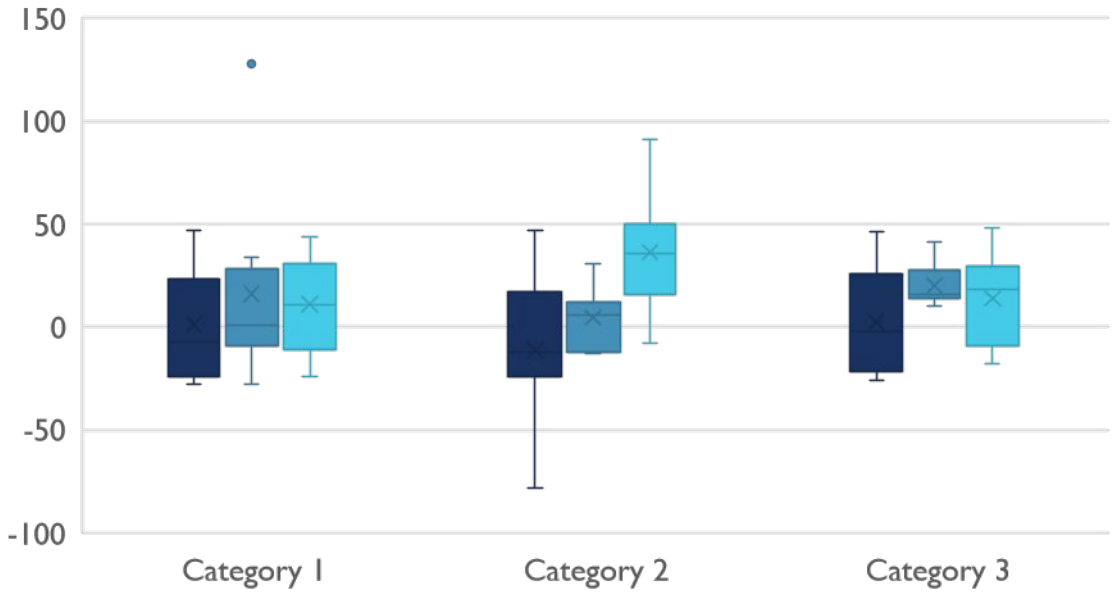
AEOP RESET

ARTIFICIAL INTELLIGENCE VS. MACHINE LEARNING VS. DEEP LEARNING



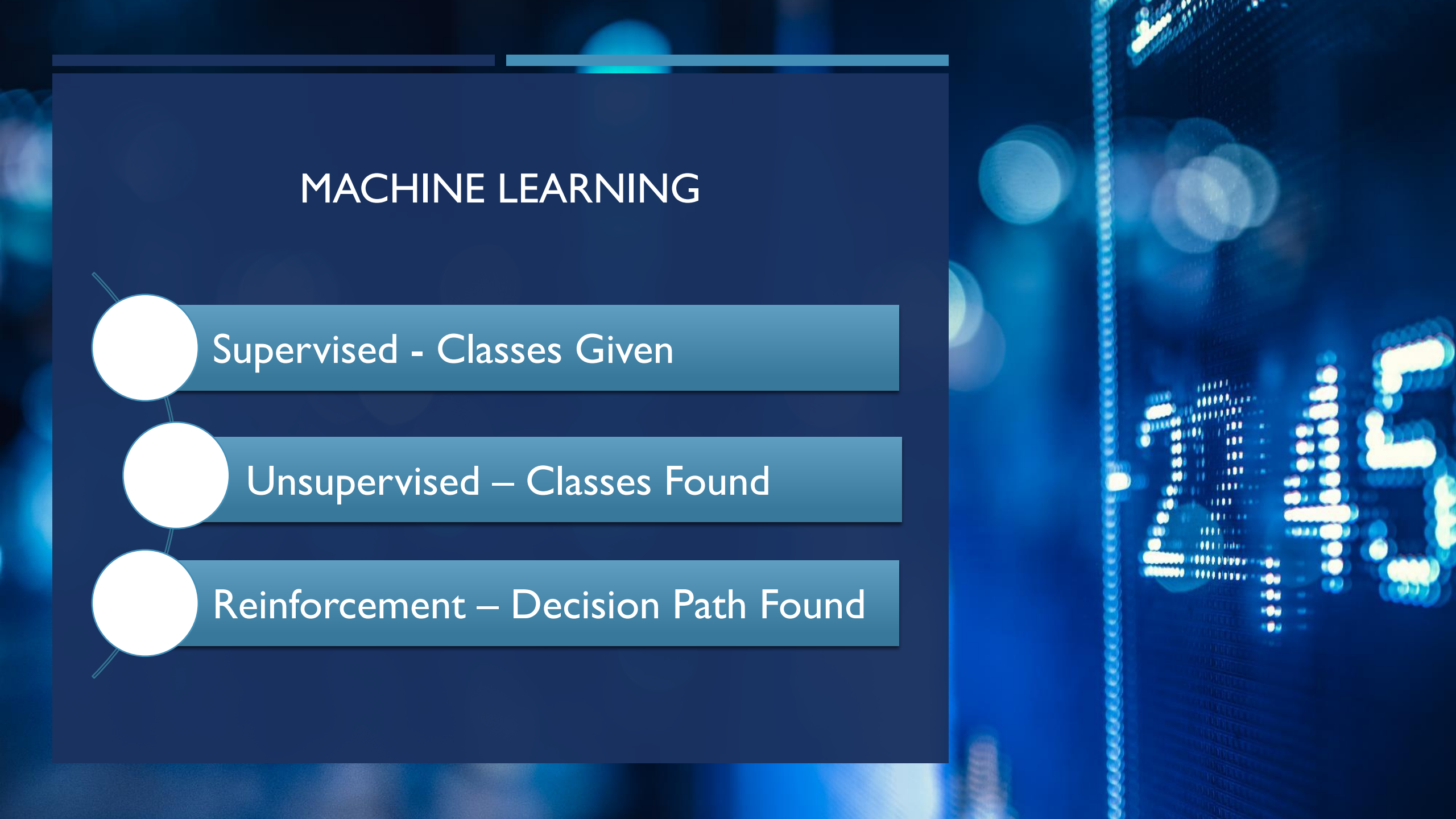
COMPETITIVE LANDSCAPE





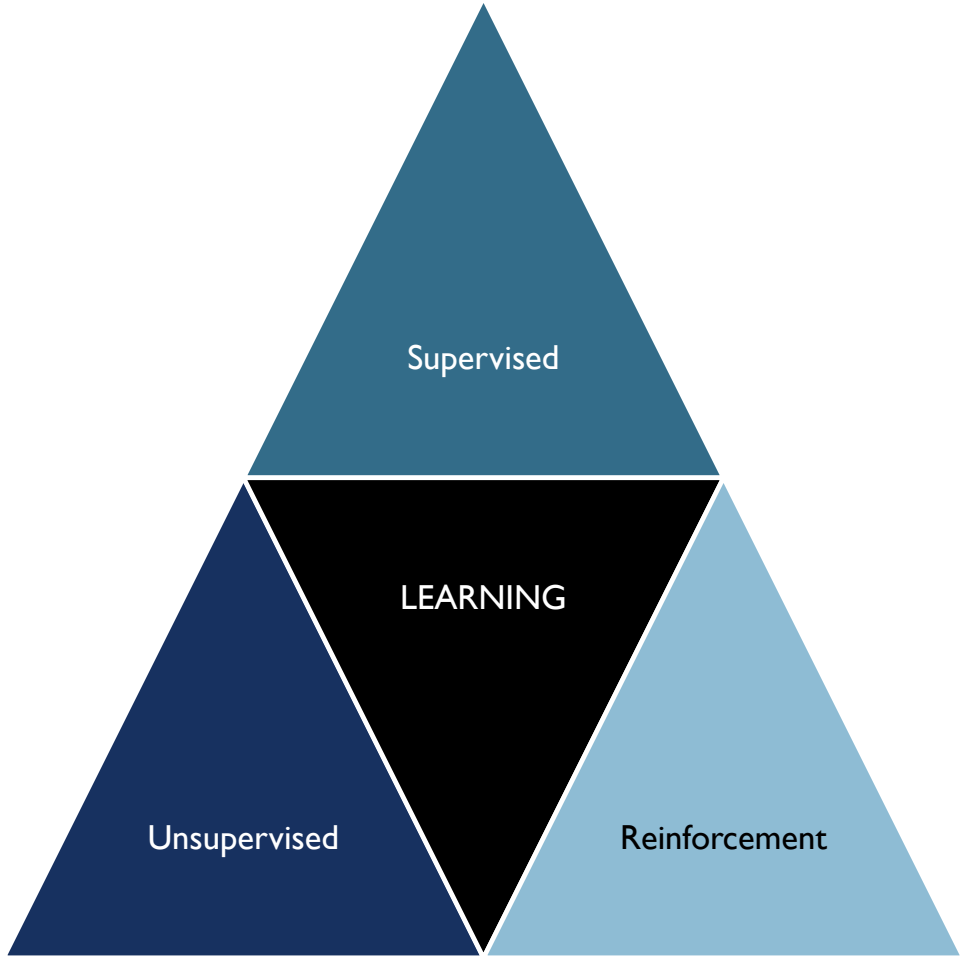
MACHINE LEARNING

- Supervised - Classes Given
- Unsupervised – Classes Found
- Reinforcement – Decision Path Found



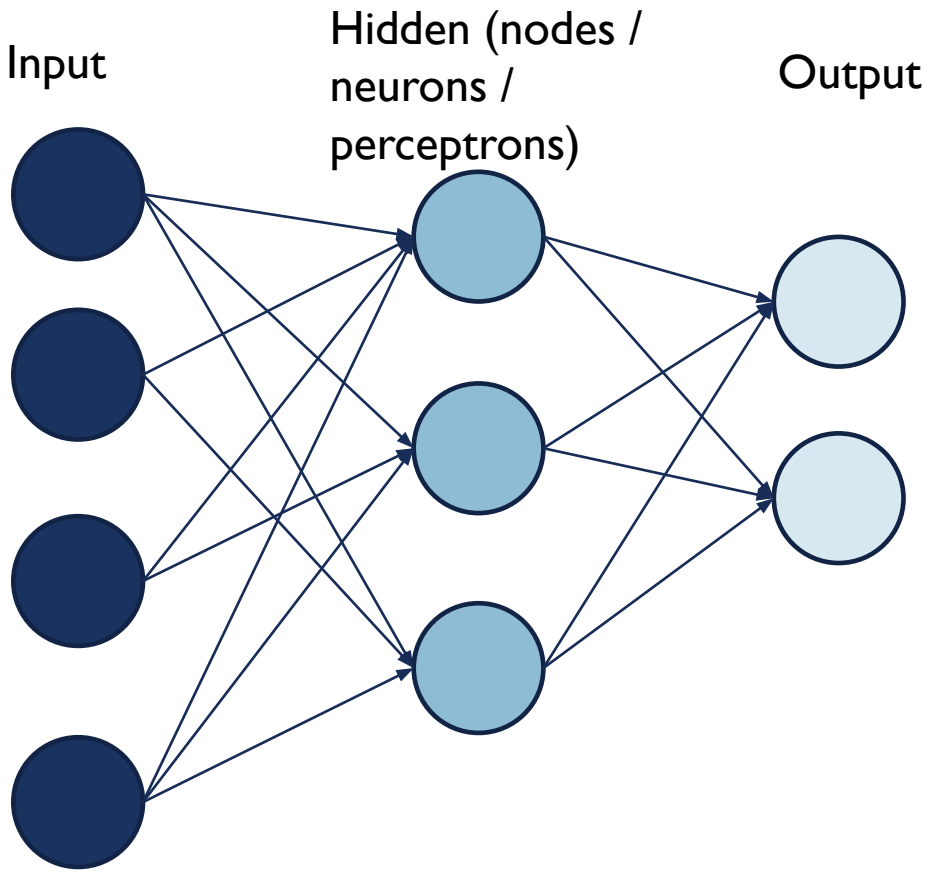
MACHINE LEARNING

- Supervised Learning
  - Humans determine data categories
  - Machine learns which category to put data into
- Unsupervised Learning
  - Machine looks for patterns in data and creates its own categories for the given data
- Reinforcement Learning
  - Machine learns through a system of penalties and rewards to behave to maximize rewards and minimize penalties



NEURAL NETWORKS

- Takes input data
- Processes data in nodes /neurons or perceptrons (old)
  - Neuron output is a graded response between 0 and 1
  - Perceptron output is 0 or 1
- Hidden layer is where calculations take place
  - Higher level math not specifically discussed in this course





THANK YOU