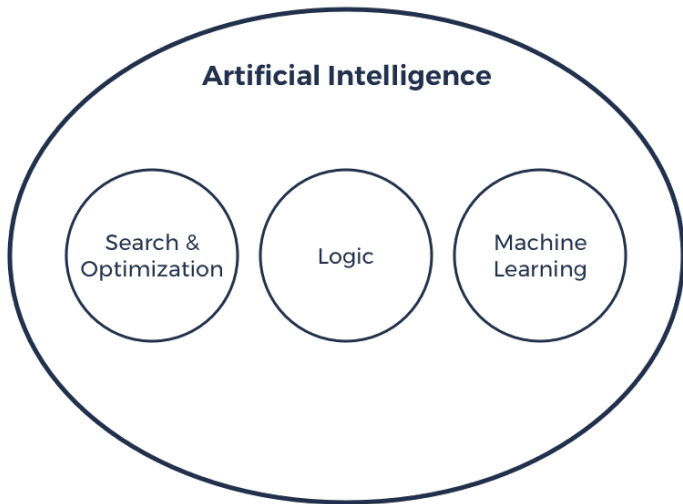


# **Machine Learning Overview**

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## Introduction to Machine Learning



# Machine Learning

Supervised Learning

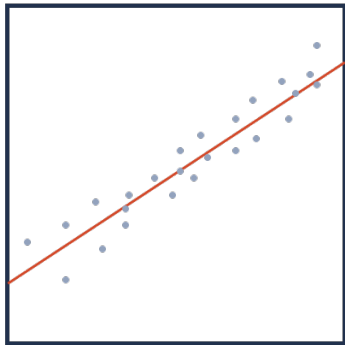
Unsupervised Learning

Reinforcement Learning

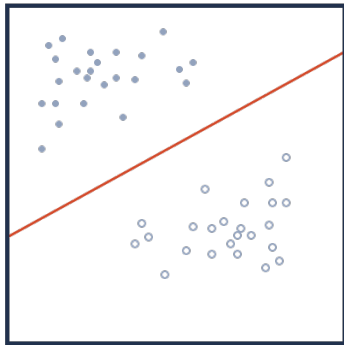
# What is machine learning?



# Supervised Learning

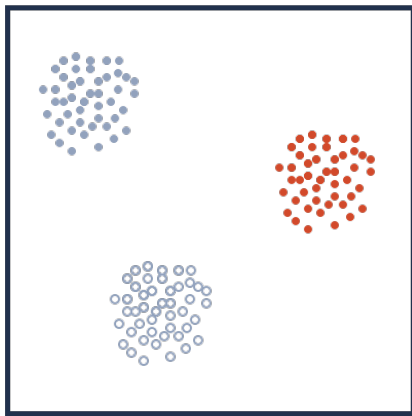


Regression



Classification

# Unsupervised Learning

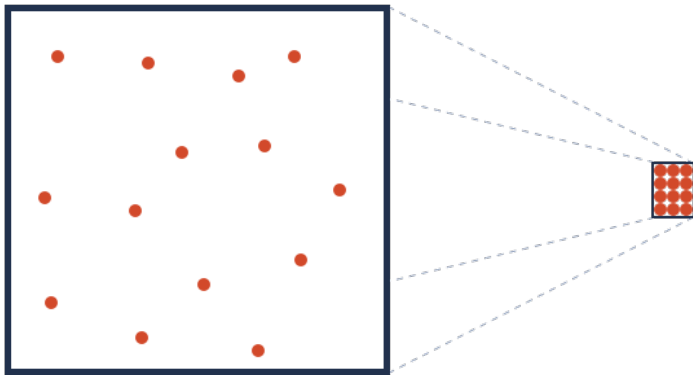


Clustering

# Reinforcement Learning



# Dimensionality Reduction





# Machine Learning

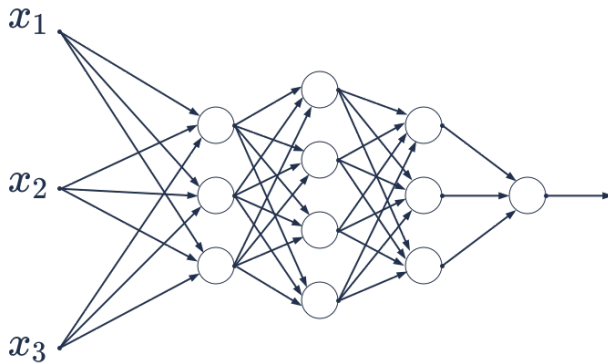
Supervised Learning

Unsupervised Learning

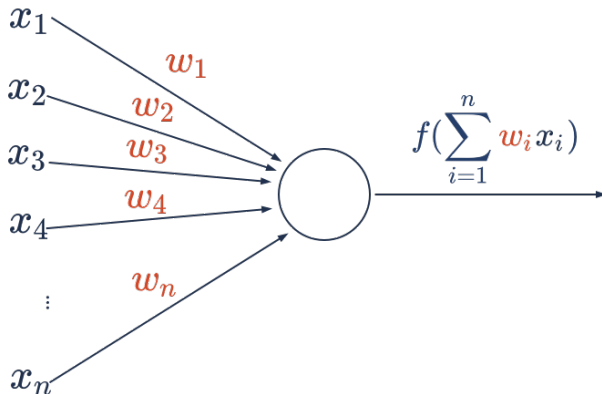
Reinforcement Learning

Deep Learning

# Deep Learning



# Neuron



# Applications

- Computer Vision
- Natural Language Processing
- Bioinformatics
- Medical Image Computing

# Questions

These slides are designed for educational purposes, specifically the CSCI-470 Introduction to Machine Learning course at the Colorado School of Mines as part of the Department of Computer Science.

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