

### Types of Machine Learning

#### Supervised Learning

predicting labels/targets given all input data  
(labels and data)

addressing 'how may...?'

- *Classification*: addressing 'is this a...?'
- *Neural Nets*

#### Unsupervised Learning

drawing patterns in non-labelled data

- *Clustering*

#### Self-Supervised

train on unlabeled data

#### Semi-Supervised

small labeled dataset guiding training on  
larger dataset

- *GANs* training two models

### AI views

#### Symbolic

Including hard coded rules and symbols  
using if/then statements

#### Connectionist

Approach to AI that focuses on learning  
associations from data through interconn-  
ected networks of simple processing units  
(neurons).



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