Types of Machine Learning

Supervised Learning

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

addressing 'how may...?'

- *Classification*: adressing '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 interconnected networks of simple processing units (neurons).