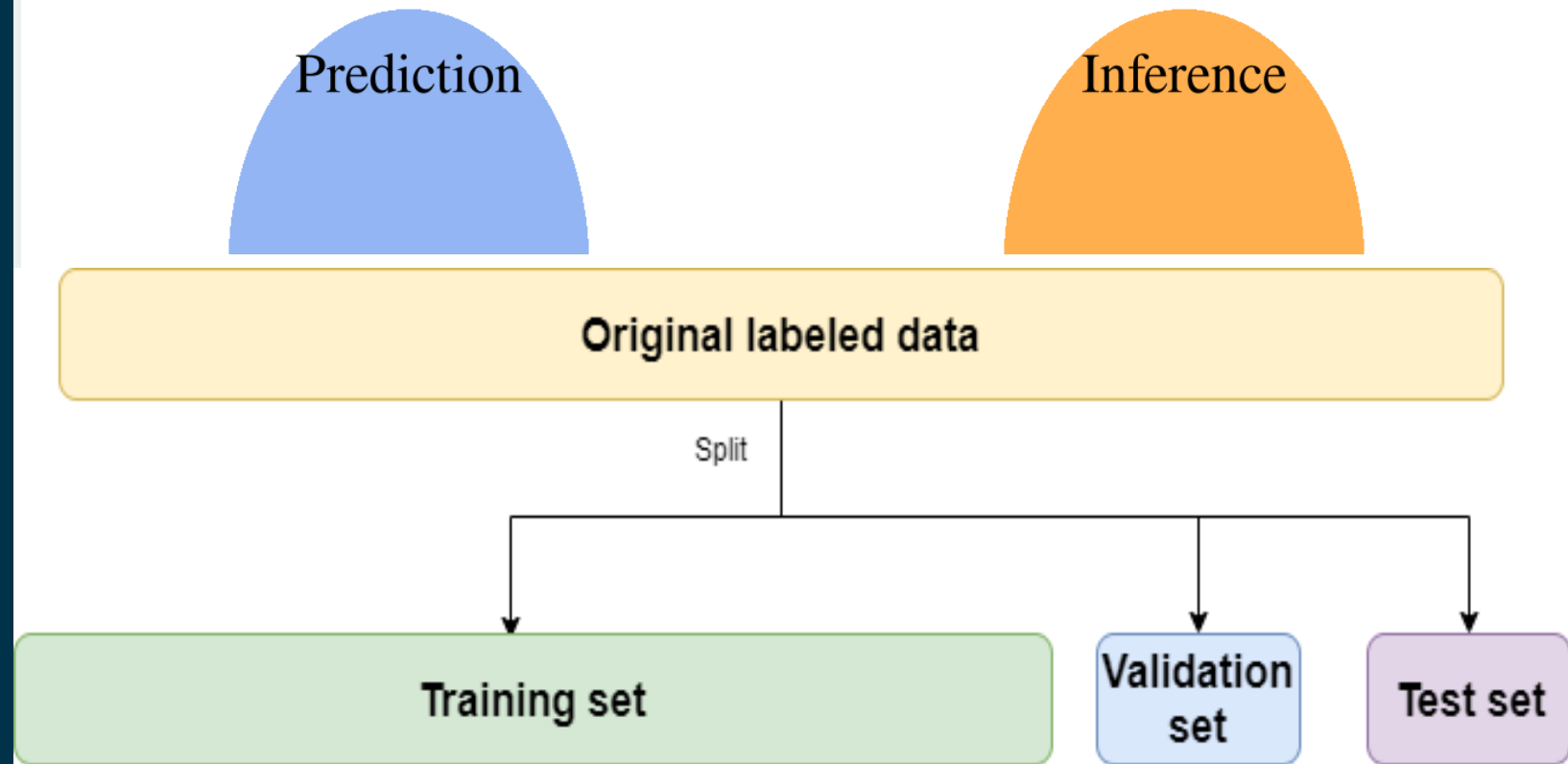
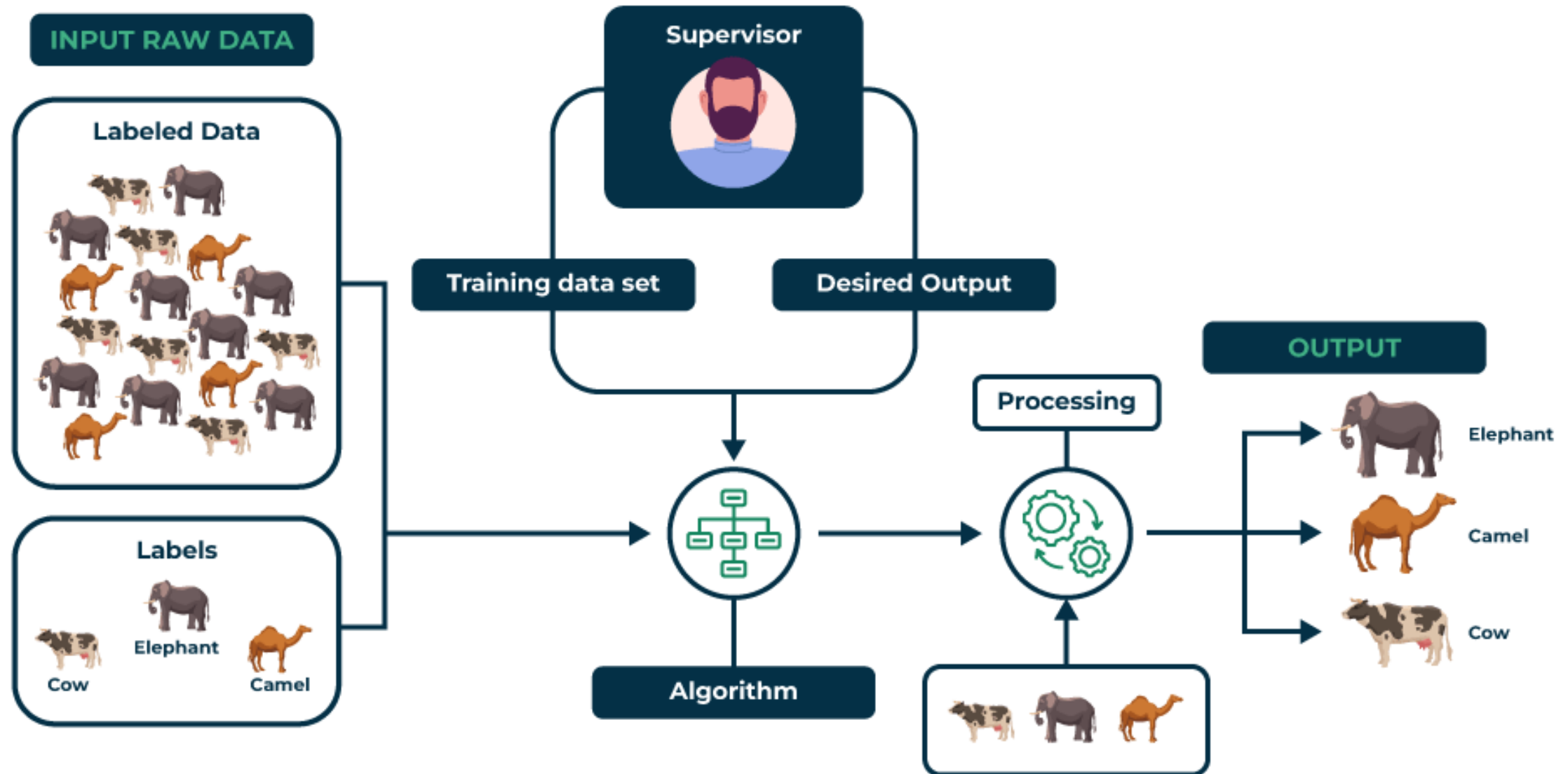


Fra sist gang

- Lineær algebra
 - Matriser, vektorer og tensorer
 - Data
 - Normer
- Kalkulus
 - Derivasjon
- Statistikk
 - Irreducible and reducible error
- Maskinlæring
 - Regresjon vs klassifikasjon
 - Prediksjon vs inferens
 - Overfitting/underfitting
 - Trenings-, validerings, og testsett



Supervised Learning



ARTIFICIAL INTELLIGENCE

Any technique that enables computers to mimic human behavior



MACHINE LEARNING

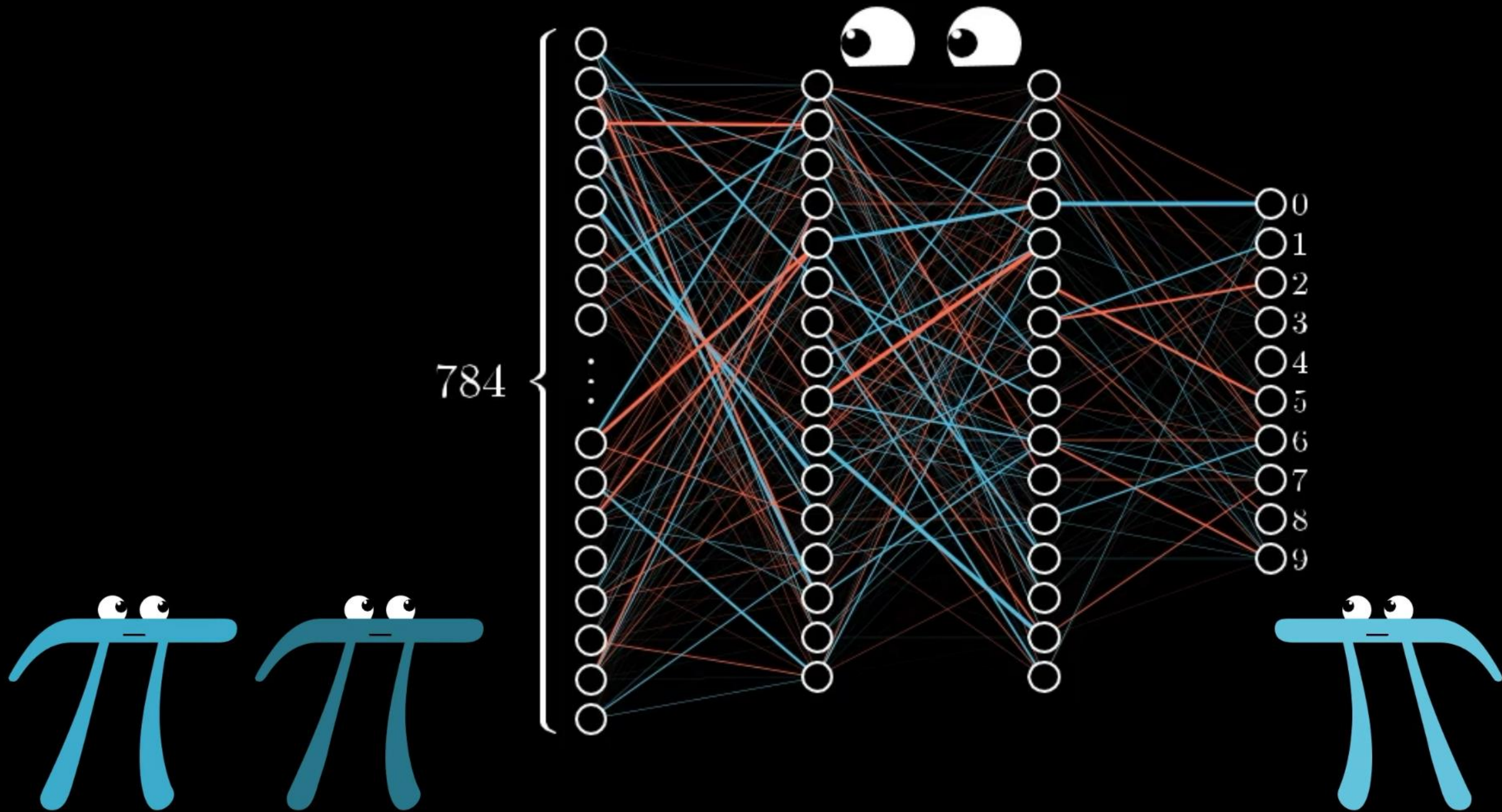
Ability to learn without explicitly being programmed



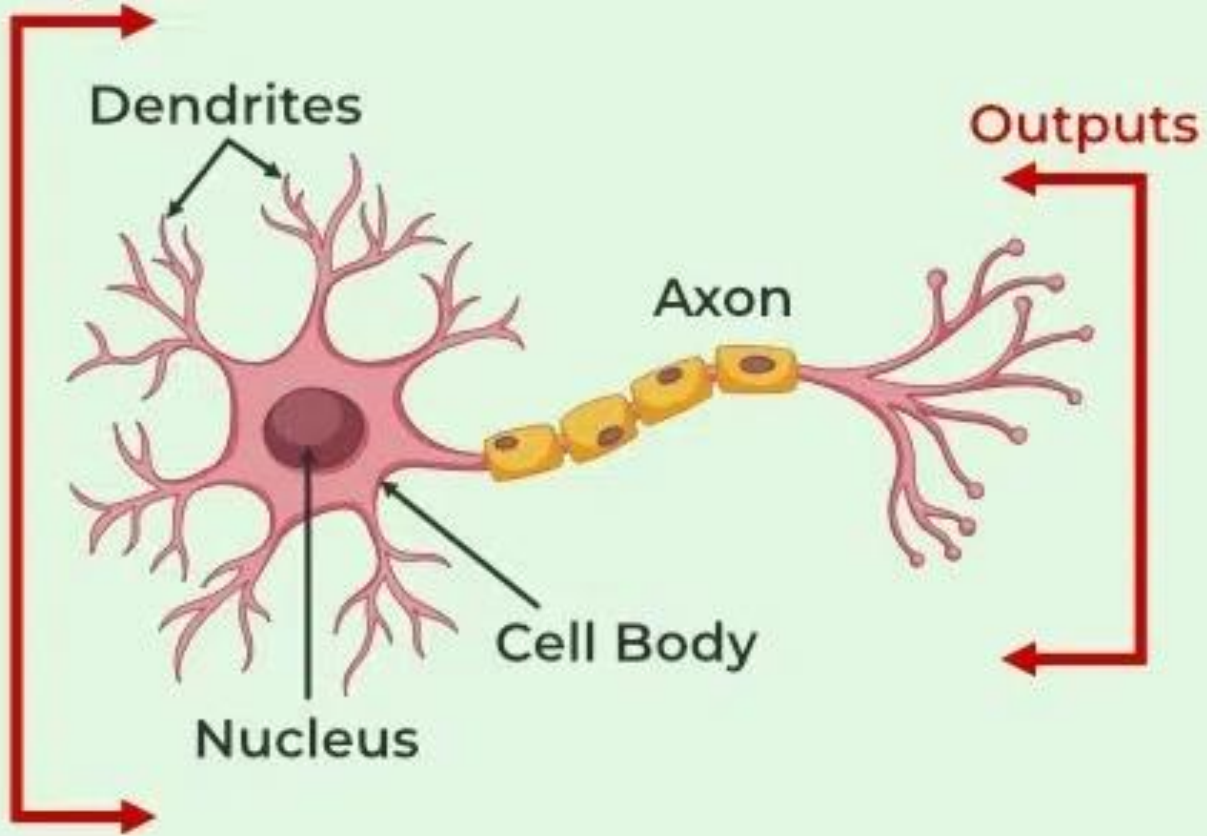
DEEP LEARNING

Extract patterns from data using neural networks

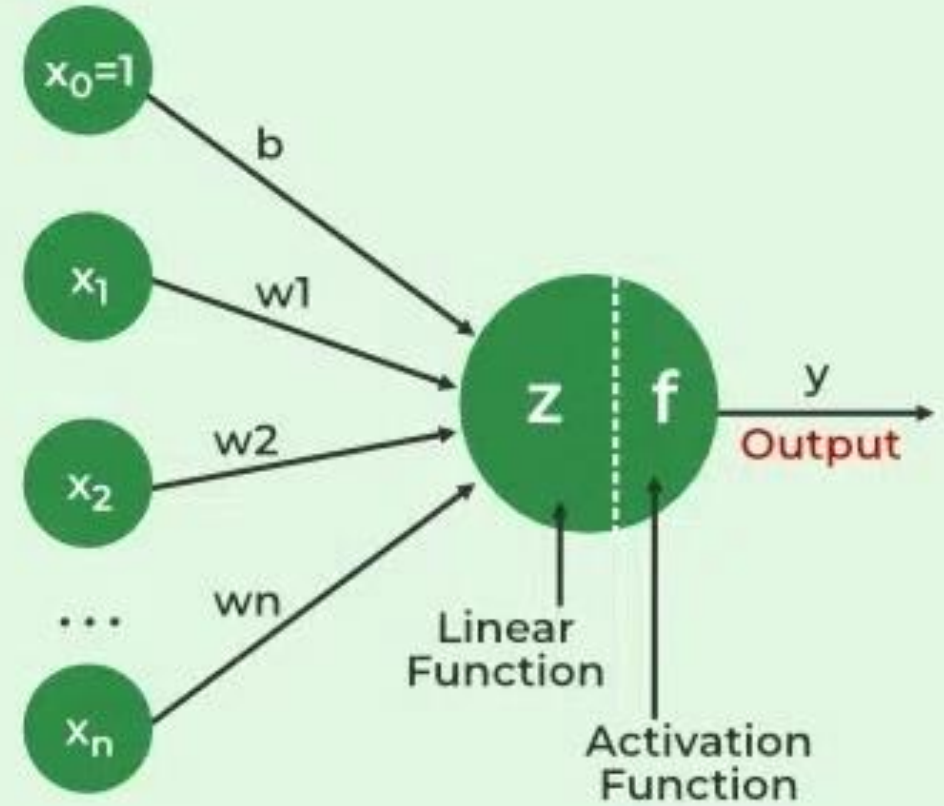


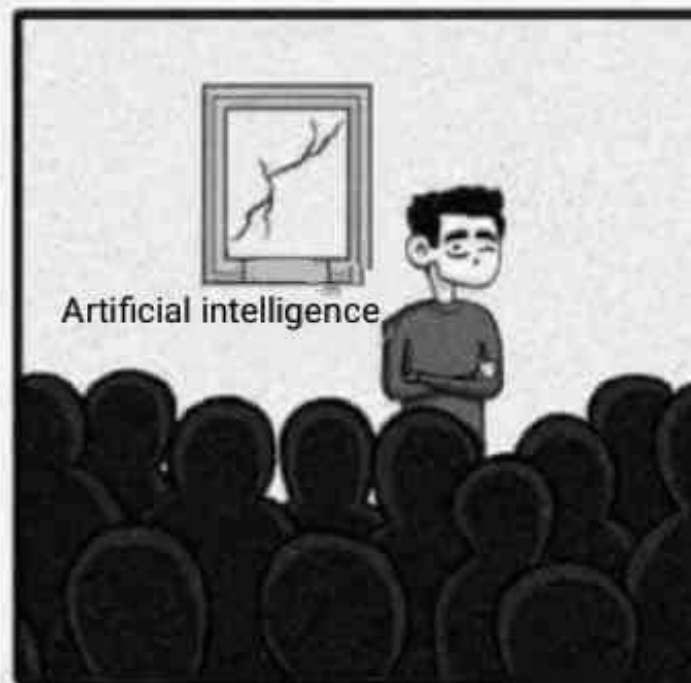
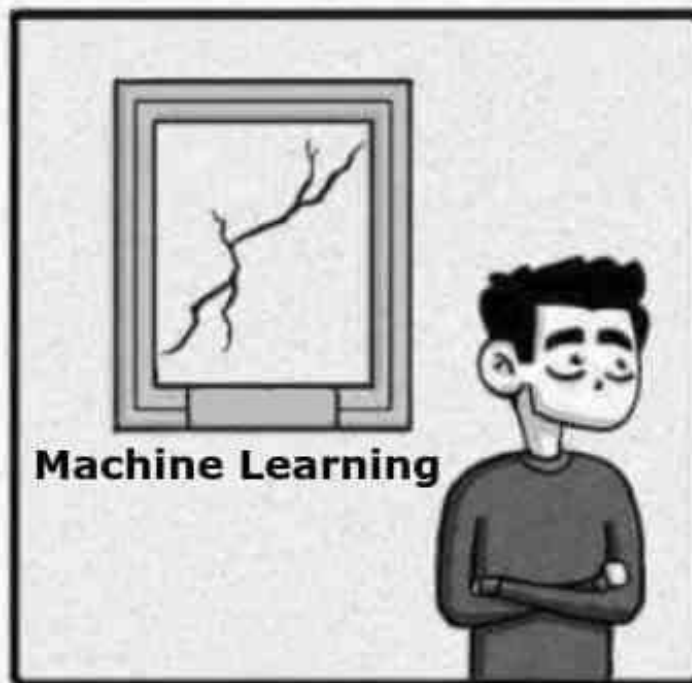
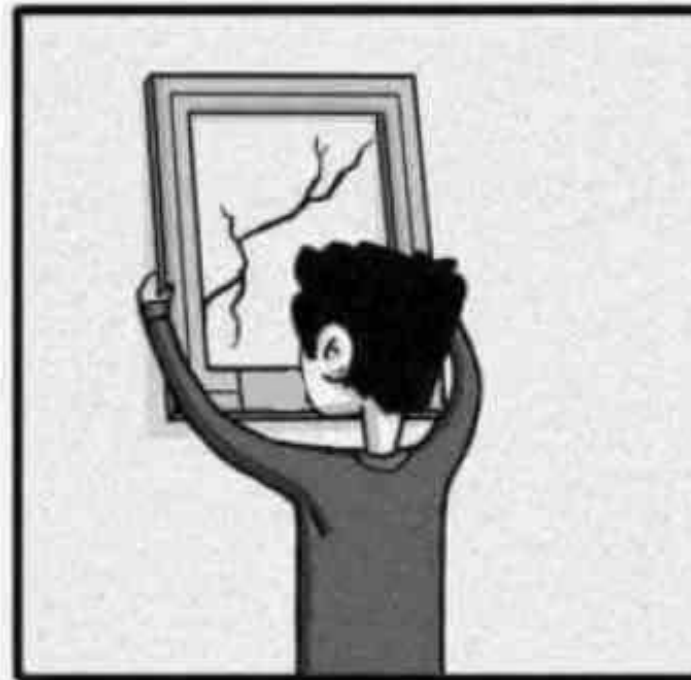
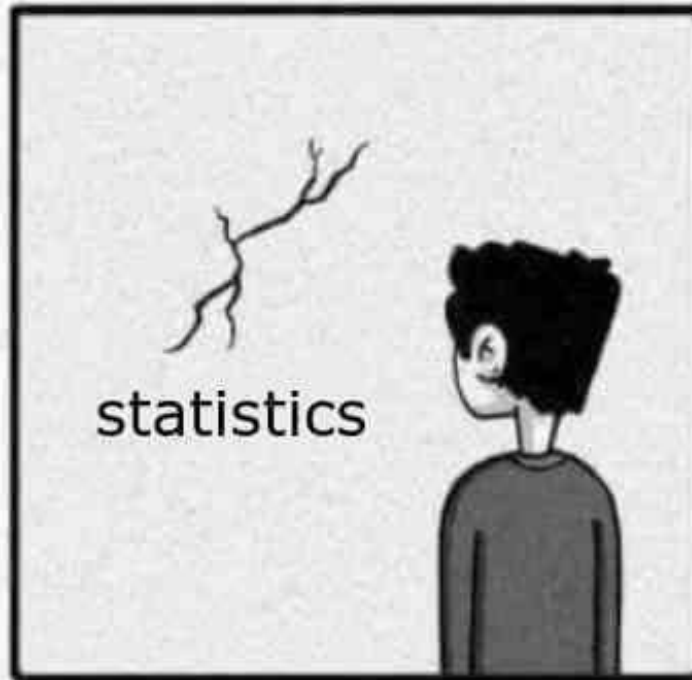


Inputs



Inputs





Maskinlæringsteknikker

- I dette kurset fokuserer vi på *veiledet læring* (supervised learning).
- I kompendium'et dekkes teknikker som
 - Lineær regresjon
 - Logistisk regresjon
 - Beslutningstrær
 - Ensemble teknikker av trær

} Selvstudium

Bias-variance tradeoff