

## **What is Learning**

- long term changes in knowledge, behaviour based on experience
- for humans:
  - change in brain structure
- for machines:
  - change in parameters of represented knowledge
    - \* [[Artificial Neural Networks]]
  - structure of KR/formalism changes

## **Feedback to Use for Learning**

- unsupervised learning
  - no explicit feedback
  - still implicit measure of success
    - \* cost/reward function
- reinforcement learning
  - rewards or punishments
- supervised learning
  - example input/output pairs given
  - e.g. [[Classification]]
  - people are bad at specifying rules but good at giving examples

[[Data Science and AI]]