**Machine Learning**

Machine learning can be roughly separated into three categories:

Supervised learning

The machine learning program is both given the input data and the corresponding labelling. This means that the learn data must be labelled by a human being beforehand.

Unsupervised learning

No labels are provided to the learning algorithm. The algorithm must figure out a clustering of the input data.

Reinforcement learning

A computer program dynamically interacts with its environment. This means that the program receives positive and/or negative feedback to improve its performance.