AI can be roughly divided into symbolic or rules-based computing—typical ‘if-then’ statements—and machine learning, where AI is programmed with an algorithm that can modify itself as it gains new information. There are different ways machine learning can be employed: deep learning by using artificial neural networks, reward-based learning, and learning based on statistical principles. Many AI programs are used for analysing and processing images or speech or extracting information from them. Deep learning is often used for making predictions, like medical diagnoses or possible credit card fraud.