

Artificial Intelligence and Ethical Considerations

5.1 Reinforcement Learning

Reinforcement learning algorithms learn by _____.

The main difference between reinforcement learning and (un)supervised learning is that _____.

Reinforcement learning works similarly to _____.

Maximising the cumulative reward means that _____.

Using the choice of a restaurant as an example, "exploration" would mean _____. On the other hand, "exploitation" would mean _____.

5.2 Deep Reinforcement Learning

Deep Reinforcement Learning is claimed to be a major step towards true artificial intelligence because _____.

Conversational AI (e.g. chatbots) is an example of _____.

5.3 Ethics and Bias

Ethical considerations are important because _____.

Making assumptions to build ML algorithms leads to bias because _____.

Having low variance means that the model _____.

Crawling the website "Reddit" to understand the language used on the internet leads to bias because _____
_____.

Biases often occur inadvertently because developers _____
_____.