SIT799 Human Aligned Artificial Intelligence

Pass Task 1.2: AI Quiz

Overview

In week 1, we introduce you AI and it's current applications. This quiz gives you a chance to demonstrate your understanding of what you have learned.

Part 1

For the following Machine Learning (ML) tasks, which task is a classification ML task? which task is a regression ML task? which task is a reinforcement ML task? which task is an unsupervised ML task? **Please justify your answers**.

1. A system that can predict the sentiment of movie reviews.

2. An autonomous system that can clean a house and vacuum out the dust.

3. An intelligent system that can play chess.

4. A system that groups documents based on term features and other characteristics.

5. A system that predicts natural disasters from social media data.

Part 2

For the following four AI scenarios, which scenario you think is a realistic scenario, and which one is not? **Please justify your answers**.

1. Scenario 1: Developing an AI system that can do complex brain surgery.

2. Scenario 2: Developing an AI system that can write a document.

3. Scenario 3: Developing an AI system that can create art painting.

4. Scenario 4: Developing an AI system that can reason and solve the Riemann hypothesis.