Exercise X

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ELEC-E8125 - Reinforcement Learning

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1 Task 1

To cite works, put them in the template.bib file and use [1].

2 Task 2

To embed code snippets in the report, you can use the `pycode` environment.

```python
for episode_number in range(train_episodes):
    reward_sum, timesteps = 0, 0
    done = False
    # Reset the environment and observe the initial state
    observation = env.reset()

    # Loop until the episode is over
    while not done:
        # Get action from the agent
        action, action_probabilities = agent.get_action(
            observation)
        previous_observation = observation

        # Perform the action on the environment, get new state
            and reward
        observation, reward, done, info = env.step(action)

        # Store action's outcome (so that the agent can improve
            its policy)
        agent.store_outcome(previous_observation,
            action_probabilities, action, reward)

        # Draw the frame, if desired
        if render:
            env.render()
```

3 Question 1

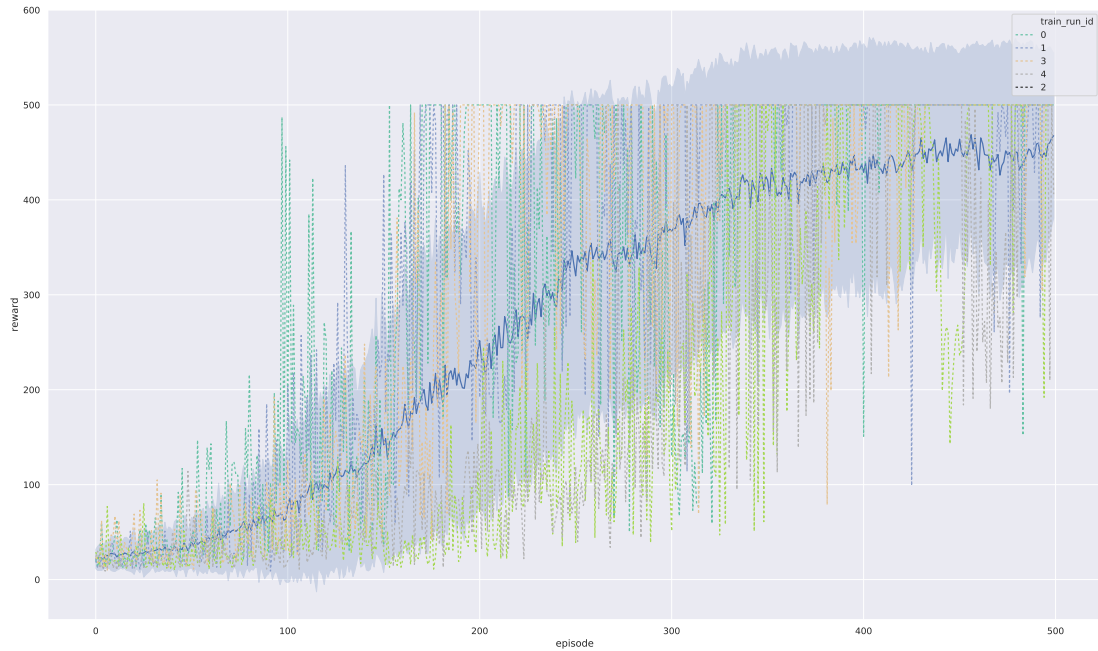If you add a figure, you can refer to it using Figure. 1.

Figure 1: This is a sample figure.

References

[1] R. S. Sutton and A. G. Barto, *Reinforcement learning: An introduction.* MIT press, 2018.