ML2021Spring HWXII Report

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Public Score	Private Score
266	-

The methods I used to pass the strong baselines include:

1. DQN

```
class QNetwork(nn.Module):
    """Actor (Policy) Model."""

    def __init__(self, state_size, action_size, seed, fc1_units=64, fc2_units=64):
        """Initialize parameters and build model.
        Params
        ======
            state_size (int): Dimension of each state
            action_size (int): Dimension of each action
            seed (int): Random seed
            fc1_units (int): Number of nodes in first hidden layer
            fc2_units (int): Number of nodes in second hidden layer
        """
        super(QNetwork, self).__init__()
        self.seed = torch.manual_seed(seed)
        self.fc1 = nn.Linear(state_size, fc1_units)
        self.fc2 = nn.Linear(fc1_units, fc2_units)
        self.fc3 = nn.Linear(fc2_units, action_size)

    def forward(self, state):
        """Build a network that maps state -> action values."""
        x = F.relu(self.fc1(state))
        x = F.relu(self.fc2(x))
        return self.fc3(x)
```

Reference:https://github.com/mlefkovitz/Lunar-Lander/blob/master/DQN%20Lunar%20Lander.py?fbclid=IwAR2yVcuRh-Bgpz5xyT7l_t6oLAPHLA_8NwumOj9sNRdSC_QtBZYe-uyMdSk

(Your report should be written in English. Do not exceed 100 words describing your methods, but you may add comments to your code to make other students easier to understand.)