Coding Deep O learning [18/08/20]
leannod
Episode > anong in point. $q_{\text{new}}(s,a) = (1-\alpha)q(s,a) + \alpha(R_{t+1} + \alpha')q(s',a')$
quew $(s, a) = (1-\infty) q(s, a)$
Episode loop -> stated and -> stated and
-> ctarte with
-> (nelease remaind
-> (wheat remaind on comploitation) comploitation -> take ather based on emploitation, comploitation
- Arrow Was
1. Sawa
is thick of the cold selected
Acounty = Using value iteration to capperorinate
to Company
newed next sort
Deep Colcavin = Voc
Experience replay) Ct = (St, at, Tt11, St11)
cuperient at cent
twice dep is a DS called supley memory
supley merring
8) Why are suplay memory?
> To break correlation.

Summer of Marsh 2 Installed the restrook with random areylete (Xouvier instalisation) 3. For each epicode z. Tiriliales the starting state

2. Fax could live step

- via explanation on exploitation I. Select on action e. Execute selected action in an emulator 3. Observe summered and new state. 4 stock experience in suplay memory.

5. Sample random Batch from ouplay memory 7 Pay Gatch of pre-processed states to policy network 6. Prepreneus states from batch 8. Calculate lor between larget Quales l Qualus Requires second par to the victuois for news 9. Grandwil descent updates wight in The policy nativo it to minimize loss.

I when calculating low between present Q-values and target Q-values, are were the target neutron La chors of the Qualities, are were the target compaile larget construes. -> The weights of larget network are updated ofterency a- Einestipe alive à is a hyporparameter

Coding deep & having / 18/08/20) s init () Ly D&N day - forward() L) RL Agent > Cart Pole Env Marager ()