True-gradiant TD Learning Rule on differentiating for v(s, w) with w++1= w+ + (R++ + 10 €; 10) - ((Se, 10)) Vw (St, w) - <10 0 (St, w) The term -at Vw V(Si', w), accounts for the change in the estimated value of next states as w changes which makes this method a true gradient method. As it ansiders the charges in w that affect the fertile value 56) The learning rule optimizer an objective func'n that includer an expectation over the next stake 5', making it more similar with thean squated error of the value fur in estimate, so theoritially => E x [R + Y v(s', ω)- v(s,ω))2] would be the objective function. 2 near parating the true could lead to more stable and accurate uplater because it accurately represents the objective of minimizing the difference

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all transactions

50) Hear landed Bollaman Errol (HSBE) objective
For the MOSE objective:  BE(ω) = Σses μ(s) [Eπ[R+10 (s',ω) s]- v(s,ω)]
to find the gradient and we it in a goodland docent
learning quile
:. VWBE(W) 2 ESES LU(S) (ET [R+Y 2 (S, W)  S] (S, W)] TO
would adjust the weights in the direction that
minimizer the BE(w), see
w++1= w+ - ~ √ ω βε(ω),
5d) 2n Gode. Snippets