3 Blocks 2. Batch learning

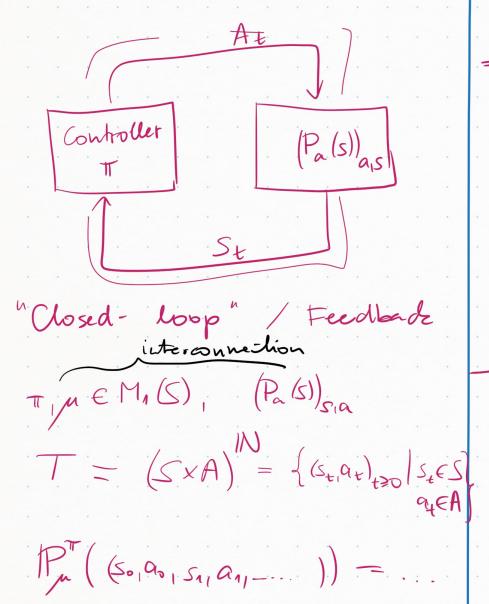
||Q| = reals $0 \le r < 1$ r = 1

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States $(\epsilon [0,1])$ Objective

(S)+ TrA1 (S1)+ X2 rA2 (S2)

M, (X) = set of over X
meb. distr. over X St-1, At-1, St) ∈ (SxA)



$$= M(So) \times T_0(So)(ao) \times (P_{ao}(So))(S_1)$$

$$T_0(ao|So) \qquad P_{ao}(So|So)$$

$$T(ao|So) \qquad P_{ao}(So|So)$$

$$\times T_1(So|ao|Sh)(a_1) \times (P_{a_1}(S_1))(S_2)$$

$$T_1(a_1|SoaoSh) \qquad P_{a_1}(S_1|S_2)$$

$$T(a_1|SoaoSh) \qquad Malor Malo$$

$$\sup_{\pi} \nabla^{\pi} (u) = \nabla^{*} (u)$$

$$m = \delta_{s} \qquad \delta_{s}(s') = \begin{cases} 1, s = s' \\ 0, o.w. \end{cases}$$

$$N^{T}(\delta_{S}) = N^{T}(S)$$

Hommon. Figure out relationship between $V^{T}(n)$ and $V^{+}(s)$

$$V^*(s) = \sup_{T} V^T(s)$$

Examples?

-Fundamental Theorem of -MDPs