CS 747, Autumn 2020: Week 4, Q&A

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• What is the role of \bar{u}_a^T in the UCB regret proof?

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 $P_{+} - P_{a} = \Delta_{a}$. early on, few pulls For arm X we expect not to always except PX For arma, we only expect/shaw neber px Shivaram Kalyanakrishnan (2020)

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Hance
$$\sqrt{\frac{8}{\Delta_{\alpha}^{2}}} = \sqrt{\frac{8}{\Delta_{\alpha}^{2}}} = \sqrt{\frac{2}{M}} + \sqrt{\frac{2}{M}} = \sqrt{\frac{2}{$$

• Can you explain the constraint we impose on episodic MDPs for using $\gamma=1$?

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