











Active Reinforcement Learning

- Full reinforcement learning: optimal policies (like value iteration)
 - You don't know the transitions T(s,a,s')
 - You don't know the rewards R(s,a,s')
 - You choose the actions now
 - Goal: learn the optimal policy / values



- In this case:
 Learner makes choices!
 - Fundamental tradeoff: exploration vs. exploitation
 - This is NOT offline planning! You actually take actions in the world and find out what happens...









