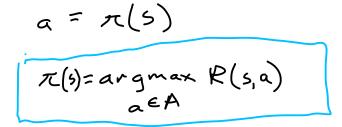
## 3 Example Problems

ing
/ unc Z

R(5,a) 4, ID what states are better than others

$$R(s,a)=\begin{cases} -1000 & \text{if } \Delta h < \overline{\Delta h} \\ -1 & \text{maneuvering} \end{cases}$$



+ (x) = - x2+1 maxf(x) = 1angmaxf(x)=0

- 4 Big challenges in DMU
- 1. Immediate + Future Rewards
- 2. Unknown models
- 3. State Uncertainty
- 4. Other Agents

MDP

RL POMDP

Game Theory

Types of Uncertainty

Probabilistic 1. Outcome

7. Model 3. Stute

4. Interaction

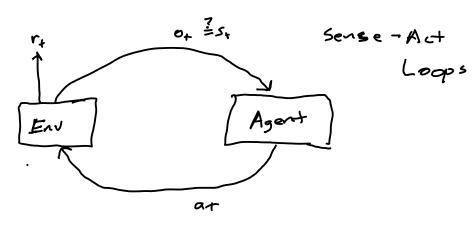
Action/ Alleatory

Epistemic Static

Epistenic Dynamic

cointlip Loaded die Blackjack

Rock Paper Scizzon



1. Name, Major 2. A decision in your life + approach