

**CS395T**

**Reinforcement Learning:**

**Theory and Practice**

**Fall 2004**

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Week 5a: Tuesday, September 28th

# Good Afternoon Colleagues

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- Are there any questions?

# Logistics

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- Start thinking about final projects

# Logistics

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- Start thinking about final projects
  - Think of a **domain**
  - Proposals week 8?

# Monte Carlo on week 0 task

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- Equiprobable random policy

# Monte Carlo on week 0 task

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- Equiprobable random policy
- State values

# Monte Carlo on week 0 task

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- Equiprobable random policy
- State values
- Action values

# Monte Carlo on week 0 task

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- Equiprobable random policy
- State values
- Action values
  - Why action values preferable?

# Monte Carlo on week 0 task

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- Equiprobable random policy
- State values
- Action values
  - Why action values preferable?
- Relationship to n-armed bandit?

# Monte Carlo on week 0 task

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- Equiprobable random policy
- State values
- Action values
  - Why action values preferable?
- Relationship to n-armed bandit?
- (book slides)

# Student-led discussion

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- Lily on first-visit vs. every-visit

