# CS394R Reinforcement Learning: Theory and Practice Fall 2007

**Peter Stone** 

Department of Computer Sciences
The University of Texas at Austin

# Good Afternoon Colleagues

Are there any questions?

# Logistics

Hard copies due at 3:30pm Monday under my Taylor door

# Logistics

- Hard copies due at 3:30pm Monday under my Taylor door
- Soft copies OK until then too

# Logistics

- Hard copies due at 3:30pm Monday under my Taylor door
- Soft copies OK until then too

- Reinforcement learning theory
- Then putting it to practice

- Reinforcement learning theory
- Then putting it to practice
- My goals:
  - To expose you in-depth to a major area of machine learning

- Reinforcement learning theory
- Then putting it to practice
- My goals:
  - To expose you in-depth to a major area of machine learning
  - To put you in a position to understand current research

- Reinforcement learning theory
- Then putting it to practice
- My goals:
  - To expose you in-depth to a major area of machine learning
  - To put you in a position to understand current research
  - To put you in a position to contribute to current research

- Reinforcement learning theory
- Then putting it to practice
- My goals:
  - To expose you in-depth to a major area of machine learning
  - To put you in a position to understand current research
  - To put you in a position to contribute to current research

**THANKS!** 

# **RL** reading group

• Shivaram can help you subscribe

# RL reading group

- Shivaram can help you subscribe
- Free pizza (or bagels, or ...)!

#### **Final Discussion**

- If you got to choose the research that people in the field would pursue, what would you suggest?
  - What new research would you like to see?

#### **Final Discussion**

- If you got to choose the research that people in the field would pursue, what would you suggest?
  - What new research would you like to see?
- Can RL aspire to becoming a general cognitive architecture?
  - Is it useful in connection with psychology and neuroscience?

#### **Final Discussion**

- If you got to choose the research that people in the field would pursue, what would you suggest?
  - What new research would you like to see?
- Can RL aspire to becoming a general cognitive architecture?
  - Is it useful in connection with psychology and neuroscience?
- What is your overall assessment of the field of RL?

# Surveys

Please take these seriously!

## Surveys

- Please take these seriously!
  - Quantitative results affect my evaluations, whether the course is taught again, etc.
  - Comments help me teach better

## Surveys

- Please take these seriously!
  - Quantitative results affect my evaluations, whether the course is taught again, etc.
  - Comments help me teach better
- Feel free to email me extra comments