

# **CS343**

# **Artificial Intelligence**

**Prof: Peter Stone**

Department of Computer Science  
The University of Texas at Austin

# Good Afternoon, Colleagues

---

# Good Afternoon, Colleagues

---

Are there any questions?

# Logistics

---

- Tournament has at least 8 agents
- Classification assignment due Thursday

# Logistics

---

- Tournament has at least 8 agents
- Classification assignment due Thursday
- Last readings for next Tuesday.

# Planning

---

- Very mixed reactions!

# Planning

---

- Very mixed reactions!
  - Boring, nothing new,...

# Planning

---

- Very mixed reactions!
  - Boring, nothing new,...
  - enjoyable, elegant,...



# Planning

---

- Very mixed reactions!
  - Boring, nothing new,...
  - enjoyable, elegant,...
- Back to deterministic and static

# Planning

---

- Very mixed reactions!
  - Boring, nothing new,...
  - enjoyable, elegant,...
- Back to deterministic and static
  - But scales up

# Planning

---

- Very mixed reactions!
  - Boring, nothing new,...
  - enjoyable, elegant,...
- Back to deterministic and static
  - But scales up
  - It's used (don't be fooled by just 1 week in class)

# Planning Applications

---

- Mobile robots
  - An initial motivator, and still being developed
- Simulated environments
  - Goal-directed agents for training or games
- Web and grid environments
  - Composing queries or services
  - Workflows on a computational grid
- Managing crisis situations
  - Oil-spill, forest fires, urban evacuation, in factories
- And many more
  - Factory automation, flying autonomous spacecraft, playing bridge, military planning, . . .