Logistics

• Late assignments accepted until Tuesday (12/12)

• Final: Monday Dec. 18th, 2pm-5pm
  – Open notes - handwritten (2 pages)
  – No books, no printouts, no electronics
Final Exam

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  - Slightly heavier emphasis on material since midterm
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- 3 hours rather than 1 hour and 15 minutes
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- 3 hours rather than 1 hour and 15 minutes
- Samples - Berkeley exams
Would you have rather been born 100 years earlier or 100 years later?
Question

- Does it matter to you if our “descendants” aren’t human?
Question

- If an AI technology runs amok, who is responsible?
Question

- If an AI technology runs amok, who is responsible?
- Are there some types of research we shouldn’t do?
Can computers perfectly simulate a human’s decision-making (weak AI)?
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Will computers ever be better than people at everything?
Course Recap

- **First weeks**: search (BFS, A*, minimax, alpha-beta)
  - Find an optimal plan (or solution)
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  - Best thing to do from the current state
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• **Next:** MDPs —
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- **Next**: MDPs — towards reinforcement learning
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  - Still know transition and reward function
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  – Looking for a **policy** — optimal action from every state
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Course Recap (cont.)

- **Probabilistic Reasoning:** Now state is unknown
- Bayesian networks – state estimation/inference
Course Recap (cont.)

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  - **Week 7:** Conditional independence and inference (exact and approximate)
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- **Week 10:** What if they’re not known?
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• **Week 10:** What if they’re not known?
  – Also Bayesian networks for **classification**
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  - Also Bayesian networks for **classification**
  - A type of **machine learning**
Course Recap (cont.)

• **After that:** More machine learning
  – **Week 11:** Perceptrons and Neural Nets (Deep Learning)
Course Recap (cont.)

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  - Reasoning with first order representations
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  - It’s all about building agents
    - Sense, decide, act
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Topics not covered

- Knowledge representation and reasoning (Chapters 7-9, 11, 12)
- Game theory and auctions (Sections 17.5, 17.6)
- Aspects of learning (Chapters 18, 19)
- Natural language (Chapters 22, 23)
- Vision (Chapter 24)
- Robotics (Chapter 25)
Surveys

• TA’s and my surveys

• Negative and positive feedback useful
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- Invitation to send more feedback by email
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  - When I teach the course next, what should I do the same? What should change?
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- Negative and positive feedback useful
- Invitation to send more feedback by email
  - When I teach the course next, what should I do the same? What should change?
- Most important: course rating, instructor rating, written comments
My Perspective

• I’ve enjoyed teaching this class!
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THANKS!!!