Good Afternoon Colleagues

• Are there any questions?
Options

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- State abstraction vs. temporal abstraction...
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  - ... Week 0 task!
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  - p. 14?
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  – Why couldn’t it before?
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- They don’t address what temporal abstraction to use — they just show how it can fit into the RL formalism
  - Why couldn’t it before?
- Markov vs. Semi-markov:
  - states, actions
  - mapping from (s, a) to expected discounted reward
  - well-defined distribution of next state, transit time
Student-led Discussion

- Alex on discovering options
Discussion Points

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- Why lines cross on p. 27?
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- Does it ever make sense to have a probabilistic beta?
- What about non-terminating options?
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- Why cliffs on p. 23?
- Why lines cross on p. 27?
- Does it ever make sense to have a probabilistic beta?
- What about non-terminating options?
- Conclusion: "If the temporally extended actions are modeled as options, then perhaps the models of the options correspond well to these perceptions."