CS343
Artificial Intelligence

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Good Morning, Colleagues

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Are there any questions?

Department of Computer Sciences
The University of Texas at Austin

Assignment Timeline

- It is now week 10

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- Tracking assignment due in week 12 (4/16)

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  - Tuesday 3/24: Contest announced and posted

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  – Tuesday 3/31: Qualification opens
  – Monday 5/4: Qualification closes

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  – Tuesday 5/5: Final tournament submission due

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  – Wednesday 5/6: Final tournament (location TBD)

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  – Wednesday 5/6: Final tournament (location TBD)
  – Thursday 5/7: Recap and winner announcements

Logistics

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  - Particle filters, decision networks, VOI

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  - Particle filters, decision networks, VOI
  - (Not a lot of pages, but important)

Inference in Temporal Models

- Filtering

- Prediction

- Smoothing

- Most likely Explanation

Peter Stone

Inference in Temporal Models

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- Learning

Common Questions

- Always initialize to uniform distribution? Does it matter?
- What's a stationary process (how does it solve infinite t)?
- How does a stationary distribution work?
- (Gibbs sampling)
- How do you choose the order of the model?
- How can increasing the order be modeled as having more variables?
- How do you compute the mixing time?
- How does fixed-lag smoothing