Statistical Relational Learning and Deep Learning: Intro

Instructor:
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Logistics

• **Instructor:** Vibhav Gogate
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  – Office hours: M/W: 12:45 to 1:45 pm

• **TA:** TBD

• **Web:**
Source Materials

• Papers (See web page)
• Software:
  – Alchemy (alchemy.cs.washington.edu)
  – Other sources
• MLNs, datasets, etc.:
  Alchemy Web site
Evaluation

• 70% Project
• 15% Class Presentation on Statistical Relational Learning
• 15% Class Presentation on Deep Learning
Project and Presentations

• Take a real-world problem and apply either SRL or Deep Learning to it

• Presentations
  – Select two papers, one from SRL and one from Deep learning from the class web page
Why Take this Class?

• Powerful set of conceptual tools
  – New way to look at AI/ML
• Powerful set of software tools*
  – Increase your productivity
  – Attempt more ambitious applications
• Powerful platforms for developing new learning and inference algorithms
  – Many fascinating research problems

* Caveat: Not mature!