Structured Machine Learning: The Next 10 Years

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Motivation

- Structured machine learning, ILP, and relational learning made a lot of progress over the last 20 years.
- Many new approaches and research directions are emerging, e.g., statistical relational learning, relational reinforcement learning, etc.
- A large number of recent workshops on related topics, e.g., David Jensen’s list.
- This seems like a good time to do some long-term strategic planning.
Questions to Panel

- What are the important open scientific problems in this area or these areas?
- What application problems have the most potential?
- How does solving these problems advance the state of the art and the world?
- How does it facilitate interaction between different ‘`subareas’” of this field including ILP, Statistical Relational Learning, Relational Reinforcement Learning, and others?
- What are one or two focused Ph.D. thesis topics in your research program?