

## Selected Topics 4

- Review Kolmogorov's probability axioms and how they are related to probabilistic logic.
- Follow the examples given in the slides, and show how to use Bayesian network and Markov logic networks for problem solving.
- Review how to do inference and learning for Bayesian network and Markov logic network.
- Again, pick up one of the application areas mentioned in the slides. Go deeper and deeper to explain how probabilistic logics are used in these areas.
- Go deeper to discuss the similarities and differences among probabilistic logics
- Go deeper to discuss the similarities and differences between probabilistic logics, rule based logics and classical logics.