

Overview

- Bayesian networks
 - Definition
 - Independence
 - Inference
- Final Review

Bayesian Networks

- Basic components:
 - A Directed Acyclic Graph (DAG)
 - Local probability model $\Pr(x_i \mid \text{Parent}(x_i))$
 - $\Pr(x_1, \dots, x_n) = \prod \Pr(x_i \mid \text{Parent}(x_i))$