

ORIE 4742

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Chain rule and conditional probabilities

Conditional independence

Bayesian Networks (BNs)

Rain or Sprinkler?

Reading off a BN's conditional independences
(d-separation)

Chains

Forks

Colliders/Joins

d-Separation

Ordering of variables in BNs and causality (1/2)

Ordering of variables in BNs and causality (2/2)

BNs as notation: Regression

BNs as notation: Prediction

Bonus BNs as notation: Naïve Bayes