

CS2410 Cheat Sheet

by hlleung00 via cheatography.com/80571/cs/19397/

Bayes	
Revising Beliefs	
Initial Odds	
Likelihood Ratio	
Revised Odds	Likelihood ratio x initial odds
Hypothesis	Cause
Evidence	Effect
Prior Probability	P(Hypothesis)
Likelihood	P(Evidence Hypothesis)
Jointly	P(E,H) = P(E H)P(H)
Posterior Probability	P(Hypothesis Evidence) = P(E H)P(H)/P(E) = P(E,H)/P(E)
Prior Odds	P(H):P(not H)
Posterior Odds	P(E H)P(H):P(E not H)P(not H)
Bayesian Networks	graph representation for random variables

Line Regression	
Least Square	procedure of finding the equation of the line which best fits a given set of paired data



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