Theory Questions Since, H(P,Q) = H(P) + DKL (PHQ) MCP, Q) = DKL (P 11 Q) can occur when H(p) =0 FUCK town = Eynp[logP#] = 0 - E [log P(4120)] = 0 Since of P(412) < 1, 0<-log P(412) < 00 So each of the terms -y log P(y1x) is >0. Sum of positive terms is a when each of the = y log P(y1x) =0 when y=1, P(y1x)=1 09 y=0, P(y1x)=0

Assumptions

