极大似既估计与礼名流计量

D= (x, x, --, x)=

= argmax logity PCX:11) UMLE = argmax log PCOIN)

= Orgnox & (n Tolki) - Aul)

= "\$ p(xi) -x'(n) = 0 A'(n)=++ \$ \$ p(xi) 3 (\$40,40x1)-AU)

那大脑:

海: Epu [-logp]= [-pun-logper dx - Cxy pay. Cxy = -化烈趣:-10g P

(max HQ]= max (-\$PringPrinm \$PringPring) S.t. \$ Pri=1

LCP, N=差, C P; 19987十入(1-差)

St. 5pm=1 Ep[fm]= 1 (2dm) Pi-oxp(ハーワ) 当報3金名存已與: I man & Par log Perso : P= P2 - = PK " PW1292A

Vazyme

(九) 概奏图

高級協和友愛 PCK, Xz, -- Xp) [山路本版字: PCKi)

|条件概奏: PCK31/Ki)

Sum Rule: PCX1)= (PCX1, X2) dX2

| Product Rule: PCx1, X2) = P(x1) P(x2|X1) = P(x2)·P(x1)X2) | Chain Rule: P(x1)X2) = P(x1) P(x2|X1) = P(x1)X1) = P(x1)X1 | P(x2|X1)X1, X2) | Raylesian Rule: P(x1)X1) = P(X1, X2) = P(X1,

省成高,计算复杂

(3)/16 HOLDE BOYES: P(x1, x2, - xp)= in P(x2)
SNOWLE BOYES: P(x1y)= ff P(x2)

Monkes V Programy xil Xin (Xis) Li (Xis Xin 表处, EXE) MX 2/18 / 24 / 2/8 / 26

MANS (ARS) Bayesian Notwork A的图 Markov Network

| 近小堆断 | (海鱼地近小人域为群岛) 描断一个稀码推断

然後がり一次多数