$$f(0) = a, f(-x) =$$

P(oc/Ch): 17人の文件の23年季度 4.2 加车的生成产产几

p(G) 17大0年前沿车

To Low Low.

R(a)事後為率

. Izerx=Z

事化加率

 $P(C_1|x) = \frac{P(x)C_1P(C_1)}{2}$

2 p(2c/Ch)p(Ch)

 $exp(l_3x) = \#x$

P(x(G)P(G) + P(x(G)P(G))

1 + P(PC (C2)P(C2) 1 + P(PC (C3)P(C2)

(26 - 2/2) = -2

 $\frac{1}{1+\left(\frac{p(p(|G)p(G))}{p(Q)}\right)-1}$

1 + 49 (2) (P(C)P(C))
1 + 49 (24) (P(C)P(C))

1+6-9

7 (a) i dignoid /2) 26

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K MASSE

1 P(R(G)P(G) P(C) P(G) p(C/2c)-

exp(log (p(a)))

) = 4 ([(((((())) ((())))

= SAP (GK)

where ar = (og (oc/Cr)p (c)) (4,62) 1 ap (G;)

IMITEM 2 2 or softmer 12 th

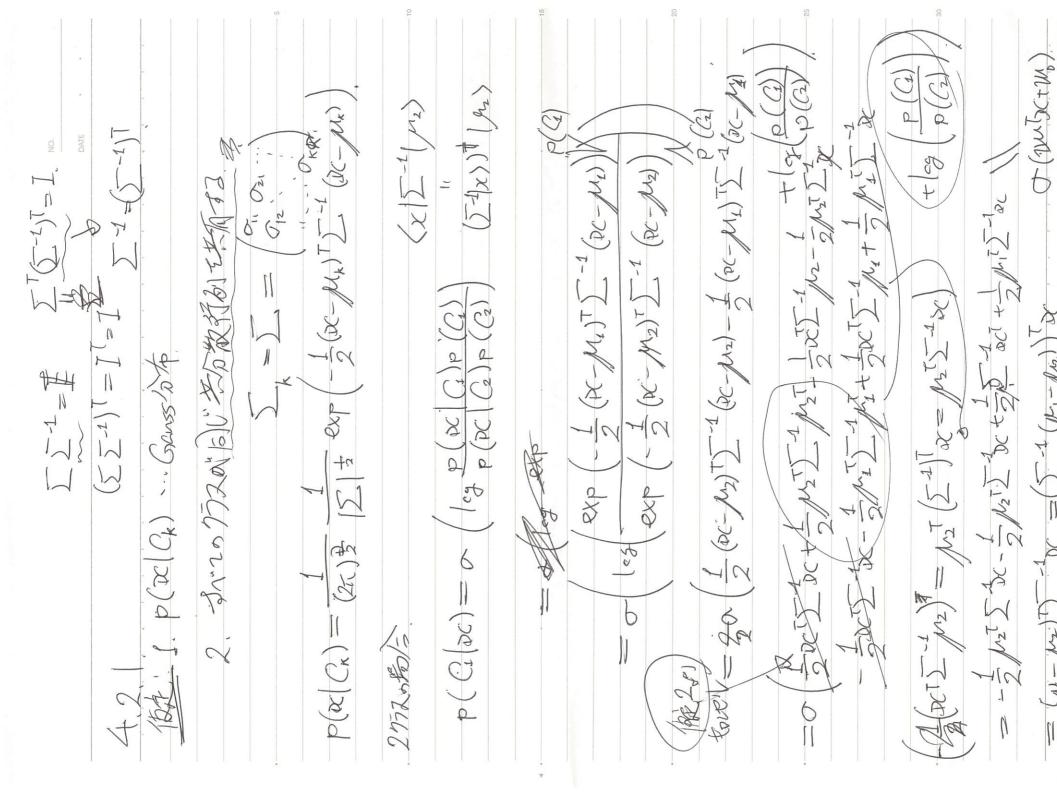
ax>> a; for (j. (4K) = orp (1/4) >> axp (g)

 $\sum_{j=1}^{K} \exp(a_j) = \sum_{j \neq k} \exp(a_j) + \exp(a_k) + \exp(a_k)$

 $f(c_k|x) \approx \exp(a_k) = 1$

 $p(g|x) \sim \frac{exp(g_j)}{exp(g_k)} \sim 0$

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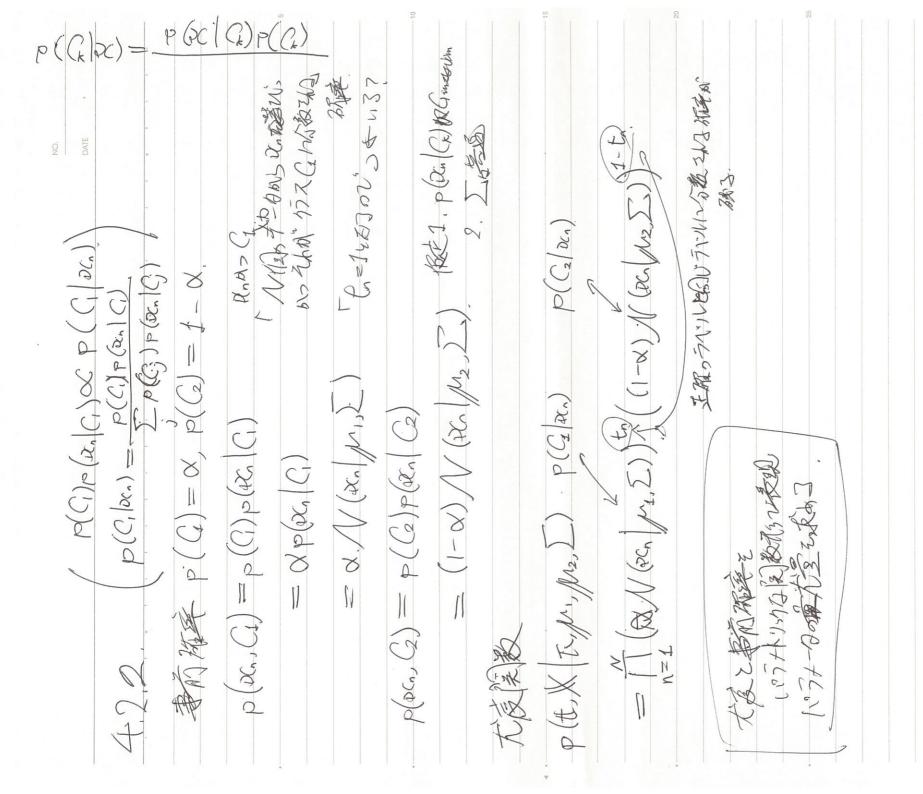
$$a_k = \log(p(sc|G)p(Q))$$

$$/\mu_{1} \Sigma^{-1} 2c = (\Sigma^{-1}/\mu_{k})^{T} 2c,$$

$$= (c_{1}\left(\frac{1}{2}\left(\frac{1}{2}\right) - \frac{1}{2}v^{2}\sum^{2} + W_{1}^{T}x + W_{2} + W_{3}\right)$$

$$= (c_{1}\left(\frac{1}{2}\left(\frac{1}{2}\left(\frac{1}{2}\right) - \frac{1}{2}v^{2}\sum^{2}\right) - \frac{1}{2}v^{2}\sum^{2}\left(\frac{1}{2}\right) - \frac{1}{2}v^{2}\sum^{2}\left(\frac{1}{2}\right) + \frac{1}{2}v^$$

$$= \frac{\exp\left(Q_{k}(\alpha)\right)}{\sum_{j} \exp\left(Q_{k}(\alpha)\right)}$$



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古教大祭

103 p (t. X | Q. M. ps.) []

$$= |c_{2}\left(\prod_{n=1}^{N}\left(\alpha_{N}\left(\left(a_{n}\right|_{\mathcal{M}_{2}},\Sigma\right)\right)^{t_{n}}\left(\left(1-\alpha\right)\left(\left(\alpha_{n}\right|_{\mathcal{M}_{2}},\Sigma\right)\right)^{d-t_{n}}\right)$$

3. 103 P(t, X | x, M, M2, E)

th-18th-North

$$= \sum_{h=1}^{M} \left(t_{h} - \frac{1-t_{h}}{1-\alpha} \right) = \sum_{n=1}^{N} \frac{(1-\alpha)t_{h}}{(1-\alpha)} \frac{(1-t_{h})\alpha}{(1-\alpha)}$$

$$= \frac{1}{\alpha(1-\alpha)} \frac{\mathcal{L}}{n=1} \left(t_n - \alpha \right) = \frac{1}{\alpha(1-\alpha)} \left(\frac{\mathcal{L}}{n=1} t_n - N\alpha \right)$$

Not N2 30 hy = 0 = 0 = 1 / Lh = M = =

Q on the ... But - - Bu No H 43. 152 C, OF - ON No A/E.

DATE

(4)(cb) = (9+Cm (2x) 2 [2] exp(-2(2n-18) 5 (2ngm) - 1 (2cn - 1) [- 1 (2cn - 1/1) + Carst & No) to (xn-pr) [] - (xn-pr) + Const. 9/m 10 1 tn (cg M(2cn / M4)] MISTARS

(ab)(e)=(gesbf) = 20 -X+A - for-pri) - 2-1 -1] -1 (Den /h4)

12 (26- /12) -2 (26, -/12) -1 -2 (26, -/12) -1 -2 (36, -/

M1=0. Ludes 1

3 (0.x)=0

f(x+2)=Q/x+Q/2 +/6 -)f(x) = Q/x +/8

Q1D

 $(a b) \binom{n'}{2n'} = \binom{n'}{n'}$

f(x+6)=x+6

f(x) = a(x+4)

= J(x)+1.X f(x+4)=x+0 - Our = 1 Trilosto vistilista これがあっちいる してっけっしん to Rain (

1 & (1-t) con -.. Con.

to los N (201 / 1) + (1-ta) log N (Den / pr,) +(1-tn) = 2 (20,-p2) [-1 (2n-p2) + 103 (2n) 2/121 -1 (x,-m)] -1 (x,-m) + 13 (x,) = 1

= -1 1 to |2 | -1 1 to (ven fr) 1 (ven fr) -2 | N (200) 1 2 (1-t) / (3/11) - 1 2 (4-t) (2n/n2) 1 - 1 (2n-n2) + Const Alos A * 19Xb] =- 2 108 | [| - 1 \ (oc. /n.)^T \ (oc. /n.)

([-1 # (OCn - fry)]] 2 th E DEGACA MR) (24- Mr) 1 [(24, -pr) T] - (21, -pr) - N (03 | Z | -

2 1K=1 N (Nr nEGR (2Cn- /Nr) (2cn /Nr) T

I I - 1 MM 45,+ [155+157] =- N19 [1 - 2 ([3/) + T([3/)) 18-19-1 =- 2/103 [II- NT (E-15)

$$f(X) = l_{3} |X| \qquad f(X+\Delta) = l_{3} X+\Delta |$$

$$= l_{3} K_{7} \Delta | - l_{3} |X| + l_{3} |X|$$

$$= |X| (14 X^{-1} \Delta)| \qquad = l_{3} |X_{7} \Delta | + l_{3} |X|$$

$$= |X| (14 X^{-1} \Delta)| \qquad = l_{3} |X_{7} \Delta | + l_{3} |X|$$

$$= |X| (14 X^{-1} \Delta)| \qquad = l_{3} |X_{7} \Delta | + l_{3} |X|$$

$$= -\frac{N}{2} (2 X |X| \Delta) |X_{7} \Delta |X_$$

たりなったの教気かっなみをも

KOKUYO

23 0 140 新物1 C 独立行数数均型 No: x; € {0,1}⁹ ← € - 12 to 12 to - 20-1 (12)0

トない、はまる、ハッルタインをしれたう。 XIN SULLARIA

4 Mat

1 | Whi (1-M,)1-X; p(2c(Ck) = 1

CK= | My (P(CK)CK) (4,63)

 $Q_{\kappa}(\mathcal{H}) = \log \left(\frac{\partial}{\partial t} \right)^{\chi_{i}} \left(\frac{\partial}{\partial t} \right)^{\chi_{i}} \left(\frac{\partial}{\partial t} \right)^{\chi_{i}} \left(\frac{\partial}{\partial t} \right)^{\chi_{i}}$

=) (x; log /h; + (1-x;) (og (1-/hx;)) + (og p(G))

Mai + 5/2013/12/8

1 CACASTA FOR

424 指数型分布液

) that ... { - Gensstan (5/2) PCO(C) OCN (00 (M. Z).

のとも、事後加減ート(Ck/2x)は、、、プライが発展(はかぶ) (17)でかって (大2152)

无格性化复数公子一般化概形于于11 7年这杯子

1 the place (a) Egusson Loss Working

 $p(x|X_k) = h(x) + (x|x|x) + (y|x|x)$

かいか(な)=2といるこうかいかん

X->0(15 1888 24 (2.236) Kterr 7+ 459

p(x()k,s)= 1 h (12x) g()k) erp (1) | xx

P(x//2) = = 5/(5/2) 9/1/2)

3 A (5 ac) 9 (M2) exp (5 M2 x) P (Az) 3 h (5 ix) 2 (/ 1 / 1 x) p (/ 1) (4.58)

1 (NA-N2) Text (538(N2) - (5,38 (N2) + 19,10(12) - 19, 10 H P(C/2) 2 P(C/2) 4 63 # PD

X>2 112085

20谷形层数

Gk= les (p(x())x,s)p((x))

= (cz (1 h (1 w) 3 ()) () () () ()

= 1 Nt Det (8 g (Nx) + 19p (G) + 19 (1/3 (1/4))

X9/2/13/2/2/20

gk(x)

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