/1

March 3 41 Lee 13 3/21/19 F: X1,..., Ky 18 2 Poiss (8) = e-8 8 x ! 86) = 6 mm (&B) = 100 0 0 0 - 10 - 100 $P(0|X) = Gamm \left(\sum_{i,j} X_i + X_j, \gamma \times \beta \right) \Rightarrow Gamm dotr, is conj. prince <math display="block">= \frac{(r+\beta)^{\sum_{i,j} X_i + X_j}}{\Gamma(\sum_{i,j} X_i + X_j)} e^{\sum_{i,j} X_i + X_j + J} e^{-(r+\beta)Q}$ $Q(X) \qquad \Gamma(\sum_{i,j} X_i + X_j) \qquad e^{-(r+\beta)Q}$ 8= 4.4 for comple

Lyphane prior; I've seen Xo=1 (c.e. on obs. with one sencess) with the height to = Q. Strange! Haldre prior (+0 sul ignorme) P(0) = 6 gmm (0,0) improper of compense. Xo =0, no=0 $\Rightarrow \Re(0|x) = G_{qmm}(S_{xi}, y) \quad \text{programly}$ $\Rightarrow \lambda = S_{xi} = A_{mid}$ $S_{xi} > 0.$ From prenderous... Xo =0, no=0 Formse = Ex = Once Teffija Pim? $-\ell''(\theta;x) = + \frac{\mathcal{E}x_i}{\mathcal{D}^2}$ $I(\theta) = E[e(\theta,x)] - E[e(x)] = \frac{1}{\theta^2} E[e(x)] = \frac{1}{\theta^2} E[e(x)]$ $E[X_i] = \sum_{x=0}^{\infty} \frac{e^{-\theta} e^{x}}{x!} = e^{-\theta} \sum_{x=1}^{\infty} \frac{e^{x}}{x!} = e^{-\theta} \sum_{x=1}^{\infty} \frac{e^{x}}{(x-1)!} = e^{-\theta} \sum_{y=0}^{\infty} \frac{e^{x+1}}{y!}$ $= \theta e^{-\theta} \sum_{y=0}^{\infty} \frac{e^{y}}{y!} = \theta e^{-\theta} e^{\theta} = \theta$ Topin sum for e^{θ} ~ 69mm (=, 0) Tupager! => P(0/x) = 6 mm (Soli + 1/2, 4)

always prapa!!

Posserior predictive discrimenton for h=1 i.e. one france $P(X^{*}|X) = \int P(X^{*}|Q) P(Q|\alpha) d\alpha = \int \underbrace{e^{-Q} Q^{**}}_{X^{*}!} \underbrace{\left(\frac{e^{-Q} Q^{**}}{X^{*}!}\right)^{2x_{i}+\alpha}}_{Q} \underbrace{e^{-b_{i}B_{i}Q}}_{QQ}$ - (h+B) Exita) ((xx+ Exita) -1 = (4+6+1) 8 20 $=\frac{(h+\beta)^{\sum k_i^2+\alpha k_i}}{\sum k_i^2+\alpha k_i^2+\alpha$ - (h+B) Exita [h+B+1] No+Exita [X x + Exita) $=\frac{\left(\frac{h+\beta}{h+\beta+1}\right)^{\sum k_i+k_i}}{\left(\frac{h+\beta+1}{h+\beta+1}\right)^{k_i}} = \frac{\left(\frac{h+\beta}{h+\beta+1}\right)^{k_i}}{\left(\frac{h+\beta+1}{h+\beta+1}\right)^{k_i}} = \frac{\left(\frac{h+\beta+1}{h+\beta+1}\right)^{k_i}}{\left(\frac{h+\beta+1}{h+\beta+1}\right)^{k_i}} = \frac{\left(\frac{h+\beta+1}{h+\beta+1}\right)^{k_i}}{\left(\frac{h+\beta+$ left p:= n+p+1 ∈ (0,1) and 1-p:=1 1 - 1-1 + 15 1 Nay Bin is the sum of r geogneria this i.e. hair for r 94 clesses for ild Bern (p) experiences