Lello 3/2/16 March 390.03-02 Concept Coul for Midson I (is. This for in this class) Corne (x. + this for 14 this class)

(Servel (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (x. + this for 14 this class)

(Dela) = (Onne, Once, Once, Once, Principle of Afference - troubles. Compare le graguesse soll one & gregnoss soft or m-dim.

Creatile immls, hyposless kess (1-51/hl) 2-51/hl 2 cons. Specific Gritmanne provs, Shristing esomoon, cory your $A(x|0) = B_{14}(n_10)$, A(0) = Beod(x, B) whis is the bean disor? Stypes? A(0|x) = Beod...Lmd succession A(0,1) = Beod(1), A(0,1) = A(0,1), pseudo comos, prim cop, vinne A(0,1) = Beod(1), A(0,1) = A(0,1), A(0,1) = A(0,1), A(0,1) = A(0,1). P(X/X) = Bear Bix, P(X) = Bear Bix mance models, keinel funcione, model checks MIDTERN 2

MIOTERM 6

Eggunny Berry Augs & pro beschill BA HATS = X = OME for a X11-1/2 Semo) model @ Xrbung

Who are the best BA belog to? 3300 is could great

 $\frac{1}{1} = 1.000$ $\frac{2}{2} = 1.000$ $\frac{1}{2} = 0.500$ Hor con be the best ! Not ough dron ...

who are she wont?

I they can't be the worm. 2 = 0) Not enough doon!!

Fileration: SHRINK

X~ bru(no), OnBen(2, B)

Olxa Bon (x+a, n-x+B)

Omuse: = E(OIX) = MARB = PE(D) - (-P) BALE

If I don't he a lot of dass... I get a "best" estrate sine my prior is snow! But how to port prior ???? Besn (0,0), Bern (2,2), Besn (1,1) hot "snows". Here objective and less only the dam speaks for itself.

How so design a subjecte prin?

Nor snow here.... les's look at all 9,256 brochell playe ... carea BA'S And leis ignore all coron plages were 2500 at bous: (Hotogram) -190 .200 .300 .400 .500 BA leis les stese DME'S juforn our Ben (45) Fit a Ben (4,1) to this. KME = 78-7, Bace = 229,8 Les Orbem (78-7, 224.0) be your prior with \$10) = 303.5 = .259 Equalest to seein 77.7 His as 302.5 at Lets > STRONG ⇒ Olx- Ben (x+78-7, 1-x +303.5) = 8 muse - x+10-1 h+303.5 = 303.5 (259) + 303.5 +h X

$$\hat{Q} = \frac{303.5}{303.5+1} (.259) + \frac{1}{303.5+1} (1)$$

Estraphing gusliers regine estmenting evidence

But ... ve work have to crease , prior

"Enpirical Bayesian Model"
or "Expired Bayes"

Ose dans so estimate hyperparans then

lothere froms ...

peril cease out a state time. 15 New Madel: X, ... X, ext Geon (0) Recall: 2 = -- 0 - Syp(x) = N, Pan Spr. 8 = (0,1) Ryn Bernoulles Gutil you rehime a success. The # of forms is the sentrum. p(x; 0) = (1-0)x X9-6- x7x-6 x1 X finded one sikesso Coppenies on the X+4 Expenser $P(X_1,...,h_1|\theta) = \prod_{i \in I} (1-\theta)^{X_i} \quad \theta = \theta^{Y_i} (1-\theta)^{X_i} = \theta^{Y_i} (1-\theta)^{X_i}$ $i \in I$ Bur (10 | x, ... x) & A(x, ... x, 10) P(0) 0 5 (1-0) Exi Seen this former before? =) Orjugue Kerrel is Bete is Ben! AGAIN!!!

$$\begin{array}{l} X_{1,-}, X_{1} \stackrel{\text{orb}}{\sim} (eeo(0), O - Bean(\alpha, B) \\ \text{all dom} \end{array}$$

$$\begin{array}{l} \mathcal{A}(O \mid X) \propto \mathcal{A}(X \mid O) \mathcal{A}(O) \\ = O^{2}(1-O)^{\sum X_{1}} & \frac{1}{B(O)} O^{2-1}(1-O)^{B-1} \\ \text{def} O \stackrel{\text{1}}{\sim} 1 + \alpha - 1 & \text{1} \\ \text{def} O \stackrel{\text{1}}{\sim} 1 + \alpha - 1 & \text{1} \\ \end{array}$$

MLB

If
$$\alpha = \beta = 0$$
 (Holdon prior)
Smuse = OPLE

If
$$\alpha=\beta=1$$
 (Laplace / Confirm)

Tefferip prior:

$$\ell'(\theta;x) = -\frac{h}{\theta^2} - \frac{2xi}{(1-\theta)^2}$$

$$=\frac{1}{6^{2}} + \frac{h E(\hat{X}_{i})}{(1-\theta)^{2}}$$

$$=\frac{h}{6^{2}} + \frac{h E(\hat{X}_{i})}{(1-\theta)^{2}}$$

$$=\frac{h}{6^{2}} + \frac{h E(\hat{X}_{i})}{(1-\theta)^{2}}$$

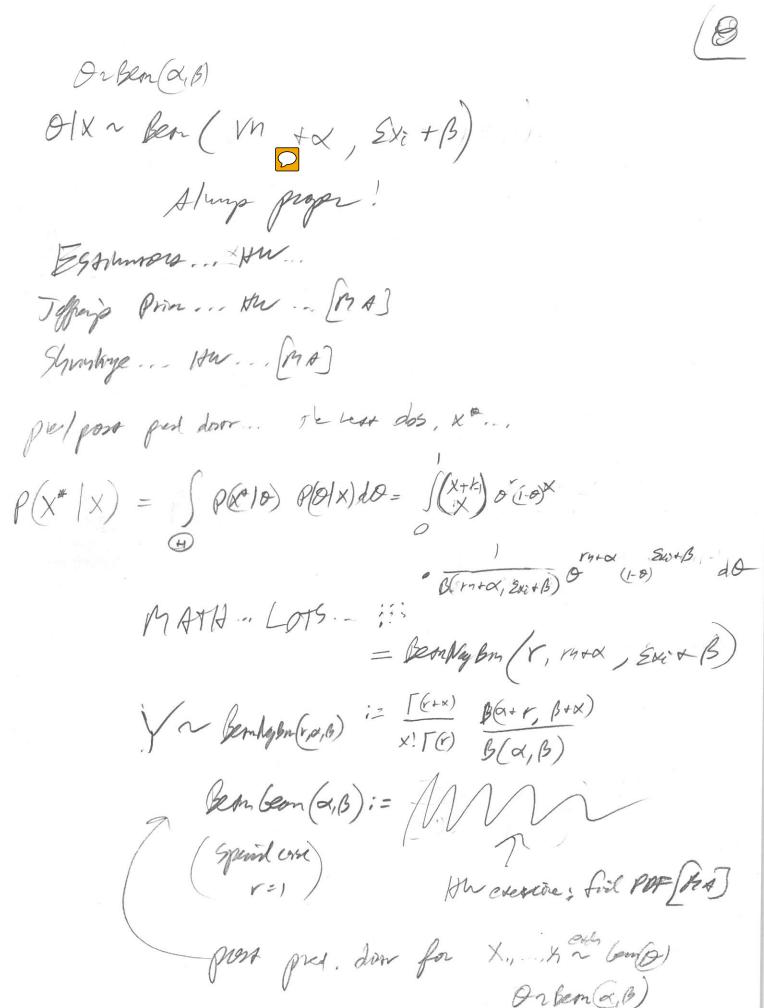
$$=\frac{h}{6^{2}} + \frac{h}{6(1-\theta)}$$

$$= h \left(\frac{1-0}{6^{2}(1-0)} + \frac{0}{6} \right) = \frac{h}{6^{2}(1-0)}$$

$$\Rightarrow j(0) \propto \sqrt{\frac{1}{6^{2}(1-0)}} = 0^{-1}(1-0)^{-\frac{1}{2}}$$

	1
The state of the s	Pari,
REL)
Tartogalia antiga mataya inga	
/	
m	
r	
6 trous	4
9	

=) j(e) = Besa (0, \(\frac{1}{2}\)) / proper! Shriskage 9 mm/g = 4+00+24+B = Q E(O) + (1-e) BME Thunge had into head a $= \frac{h+20t}{5} \frac{5}{5+\alpha} + \frac{\alpha+\beta}{\alpha} \frac{\alpha}{5+\alpha}$ $\frac{3}{5+\alpha} \frac{1}{1-2} = \frac{1}{5} \frac{1}{5$ = (EB) -1 + (1-P) OME 8 muse = (E(0) + (1-e) & muse neighbor homornie near Shriskaye neim !!! pe/post. pred. direr? Waid... X, , , Xn Etch Neg Bm (r, O) Save as beam excep $\rho(0|X) \propto \rho(X|0) \rho(0)$ $\gamma = N_0$ leason Wint graityou geo success. $\gamma = \frac{1}{(c)} \left(\frac{(X+c)}{X_i} \right) o^{\gamma} (1-0)^{\chi}$ $\rho(0)$ $\gamma = N_0$ leason Wint graityou geo success. $\gamma = \frac{1}{(c)} \left(\frac{(X+c)}{X_i} \right) o^{\gamma} (1-0)^{\chi}$ $\rho(0)$ $\gamma = N_0$ leason Wint graityou geo success. $\gamma = \frac{1}{(c)} \left(\frac{(X+c)}{X_i} \right) o^{\gamma} (1-0)^{\chi}$ $\gamma = N_0$ leason $\gamma = N_0$ success. $\gamma = \frac{1}{(c)} \left(\frac{(X+c)}{X_i} \right) o^{\gamma} (1-0)^{\chi}$ $\gamma = N_0$ leason $\gamma = N_0$ success. $\gamma = \frac{1}{(c)} \left(\frac{(X+c)}{X_i} \right) o^{\gamma} (1-0)^{\chi}$ (1-0) Ex. (1-0) Ben Kernel agen!!! (1-0) Exi. (20)



model