Leene 21 Minh 30-03-02 5/9/16 But 1974 Rolf Sulberg Sound is from 1977. germlard neshad Mu, 1983; prod conseigne for a use vance of parameter redels IN Neuron Raphson: Giffel for shing for =c. we use importer it for fully Emp = ayun (k@/x) by sery to (@/x) = 0 Were it was not soluble is dock form. (E-M: useful for cross where MIE's break down due to mo in closely form love if you were some land don is word Can this telp with our seni-conjugue model! XIIIN (0,02), On N(ho, 22), or Turbina (to 100%) $P(O,6^{2}|X) \propto P(X|O,0^{2}) P(O) P(O^{2})$ $\sim \left(\frac{1}{10^{2}} \frac{1}{10^{2}} e^{-\frac{1}{10^{2}}} (e^{-\frac{1}{10^{2}}} (e^{-\frac{1}{10^{$ $(6^2)^{-\frac{4049}{201}} e^{-\frac{5v_1^4+4000}{161}} e^{\frac{910}{62}} e^{\frac{102}{201}} e^{-\frac{0^2}{201}} e^{\frac{910}{201}}$

$$e^{\left(\frac{1}{7} + \frac{1}{6^2}\right)} \partial + \left(\frac{2}{26^2} - \frac{1}{27^2}\right) \partial^2$$

$$= -\frac{1}{2V}\left(\partial - \dot{Q}^2 = -\frac{1}{2V}\left(\partial^2 - 2\partial c + C^2\right) = -\frac{\partial^2}{2V} + \frac{\partial c}{V} - \frac{c^2}{2V}$$

$$\Rightarrow -\frac{1}{2V} = 6 \Rightarrow V = -\frac{1}{26} - \frac{1}{2(-\frac{1}{267} - \frac{1}{262})} = \frac{h}{67} + \frac{1}{72}$$

$$\frac{C}{C} = 9 \Rightarrow C = 1V = \frac{M_0}{2} + \frac{h}{72}$$

$$\frac{c}{v} = 9 \Rightarrow c = 1v = \frac{M_0}{C^2} + \frac{h\overline{x}}{6^2}$$

$$-\frac{C^{2}}{2V} = bc^{2} = \frac{1}{2} \left(\frac{\gamma_{0}}{\gamma_{0}} + \frac{\gamma_{0}}{\zeta^{2}} \right)^{2} = Q \quad \text{S.f.} \quad Q_{0} + \sqrt{Q_{0}^{2}}$$

$$=M0_{p},0_{p}$$

$$\Rightarrow N(0,62|x) \propto N(0p,62p)$$

$$=) \mathcal{A}(0,6^{2}) \times \mathcal{M}(0,6^{2}) = 0 - \frac{10+11}{2} - 1 - \frac{2 \times 2^{2} + 106^{2}}{26^{2}} - Q \int \frac{2\pi}{\frac{h}{6^{2}} + \frac{1}{L^{2}}}$$

Resort so got supling of K62/x) so approuse P62/x) al she sayle 02, single Nop, 62)

Car he do besser? Is shore an Denne algorithm?

(0,02/x) non-5+4 distar.

Bro P(0/X,62) = NOP, 02) E(xz-0)2 = 402 $P(\sigma^{2}|X,\theta) \propto P(X|\theta,\sigma^{2}) P(\sigma^{2})$ $\propto (\sigma^{2})^{-\frac{1}{2}+h} - e^{-\frac{2}{2}\sigma^{2}} e^{-\frac{2}{2}\sigma^{2}}$ X Inv Gamma (ho+n hoof + hon?)

Bur in O X, 62 = 62 is bystown and 14 80 (X, Q =) & is hokenn!

Algorith: Simler to E-M;

Step 1: Gues 62... mybe me 52 Sup 2: Suple OIX, 02=00 to get Do Sup 3: Suple 62/X, 0=0, to get 62, Sup 4: Syle OIX, 02 = 02, to get of

Sop 5: Pegers Sup 3 & F to doton ...

 $\left\langle \begin{pmatrix} \partial_0 \\ \delta_0^2 \end{pmatrix}, \begin{pmatrix} \partial_1 \\ \delta_1^2 \end{pmatrix}, \dots, \begin{pmatrix} \partial_t \\ \delta_t^2 \end{pmatrix} \right\rangle$ the $\left\langle \begin{pmatrix} \partial_0 \\ \delta_1^2 \end{pmatrix}, \begin{pmatrix} \partial_1 \\ \delta_2^2 \end{pmatrix} \right\rangle$ form

when the large store "claime"

Quis upor coverynce of de chans has t st. all coverge

Traceplats: Immunion & Mythermann

This Algorishs is called bolds Snyleig!

B: MAX & bosh t (orangen)

hlest is going on? J(X/Y) is a density
gor with to spelve from bur Comot. Fer. Yenkum f(x/y) & Q/x) So beginn ud yo: Von suple Xo = f(x/y=yo). Then you 5 mple y,= f(/x=x0) der x,= f(x/y=y), exc. In single the whole spine. If you only on short x, the you ditch the y's and has an essure of fas;

Problam # 1 At who pt, bit is carage? Near plat ranging of De MIMM = \ It appear so course (9) t = B. Good midy" But did it reals coverage? If gon be it rem log enous you my se shis, consequeding so bood "histy". Mory is the obling of the chain so effecting traverse the garan space (is the appoint). Problem #2 If Lay) has onlyte modes, she bibbs down con geo Suck is a made al sem get out, Diagnosis. - run lots of chairs from Hard density so bibbs sayle hulojle somoning positives al look at Hamuploss. As dim(0) increase. Ils belove a biggo probler