Lee 23 5/7/19 Mot 30) Annha problem (shi's solvable) ar Hose all ica? Hegie nos integeder sobre Ot deputs on Ot-1. The Ot also deques son Qt-2 and Qt-3. But et son point le dépulons is set lon de régligible. How can be reason is? But to bronz Stati The ruis X1, X2 612:= Cov X, X23:= EX,-114) (82-12) degree of low dependence Q = Corr (X1, X2) = (00 & 1/2) Mersone some thing bear E [] and unitless to renses the fameters, S12 = 5-1 2 (11 - X.) (21 - X2) 5, = J= 1 281-7,3, 52 = J= 1 2021-87)2 $V = \frac{S_{12}}{S_{1}S_{2}} = \frac{S(X_{ij} - X_{1})}{S(X_{ij} - X_{2})}$ [2 (i-71) 2 (X21- X2)

But to our problem. how does to deget on 82-1? Extrate its correlation. (80:= £ Q-0)(Q-, - 0) += Q+2 , 8 := 1 2 Qt $\sum_{k=0}^{\infty} (\partial_{k} - \overline{\partial})^{2k}$ MAGNOMERAM: CONCRETE With itself , lag = 1: One styp lackback (m= \(\begin{array}{c} \D_{t} - \overline{\pi} \Big) \(\overline{\pi}_{t-2} - \overline{\pi} \Big) \\\ \tau_{t-2} - \overline{\pi} \Big) \\\ \tau_{t-3} - \overline{\pi} \Big) \\\ \tau_{t-2} - \overline{\pi} \Big) \\\ \tau_ 3 (8,-5)2-5 5 (28-8)(20-4-0) (1-4-0) (((- 5) ° for son leg to, rex 20. Wy? Eurolly singles me 2 integraler. Hon to check? aceto My grownelism flot.

0 1 2 3 4 5 6 7 8 9 mlom now (oy #) At K=9 Singles look Mepolos erough. Now, if we take cray T= 9th saple, we have cild draws from AD, ... &plx)! Deletry to & soples in between is alle " throng". Afrin berring" and Herring" we have N smyles: braves nears ho reed to order these sopler agree, theye all coa!!

Hon to do bygsen interne? EASY!

James = E(g/x) & 1/5 & g.

g. & M

Fr, mmse = Me (O; |x] 2 Suple Medin (E) = M3)

(RB; 1- α ~ [Suplegentle [$\frac{\alpha}{2}$, & \in SN3], Ho! $O_j \in \Theta_j$ Suplegentle [$1-\frac{\alpha}{2}$, $\{0\} \in$ SN3]]

Pul = P(Hg/X) = i & I & I & e @; Apravia 14 your

P(X" | X) = SP(X" | B) P(B| X) AB 2 the following supplies algorithm:

Dileer & from on no mon

I Down Xong for P(X*18) and ship Xing

Begin Steps I-II Stines

65

Change pt. model

for a period of time, you have a Perisser and model with it,

and then it smiths to a lease it made with it.

If you have a period is a period in the in the in share of the in share. One who if

this is share! One who if

HAMILLAMMAR?

How hand the to apt the creaming in all the continuous from Phone calls at each the t=1,2,..., h

P(\lambda_1, \lambda_2, \lambda_1, \times_2, \times_1) \times P(\times_1, \lambda_2, \lambda_1) \times P(\times_1, \lambda_2, \lambda_1) \times P(\times_1, \times_2, \times_2) \times P(\times_1, \lambda_2, \lambda_1) \times P(\times_1, \times_2, \times_2)

Who does the likelihood look like? Likelihood assues perms known I Xy., Kn ind of Xmol, . X Xmos, , Xn/22 Posses (tr) P((1, ... In /2, 12m) = P((1, ... Xm / 2,) P((m), ... Xm / 2) = #e-11xxx # e-22 xxx temm xx! P(S, S, M) = P(S,) P(Sz) P(S) Any verson nor to ?? probene Should be the combining prims? Since. $P(\delta_1) = 69mm (\xi_1^{\prime}, \theta_1^{\prime}) \propto 1$ (ophie! melling Pan) = i distriction for be 20,3! for it all togethe A, h, h, m/x, h) a 1 e-h, x 1 P. Krung distr ?? No!

Ed., 3-d good supling? No. Gibbs? let's see. $P(\lambda_1 \mid \chi_1, \dots, \lambda_n, \lambda_2, m) = \lambda_1 \underbrace{\begin{cases} \mathcal{E}(\chi_{+}) \\ \mathcal{E}(\chi_{+}) \end{cases}}_{\mathcal{E}(\chi_{+})} = \lambda_2 \underbrace{\begin{cases} \mathcal{E}(\chi_{+}) \\ \mathcal{E}(\chi_{+}) \end{cases}}_{\mathcal{E}(\chi_{+})} - \underbrace{\begin{cases} \mathcal{E}(\chi_{+}) \\ \mathcal{E}(\chi_{+}) \end{cases}}_{\mathcal{E}(\chi_{+})} + \underbrace{\begin{cases} \mathcal{E}(\chi_{+}) \\ \mathcal{E}(\chi_{+}) \end{cases}}_{\mathcal{E}(\chi_{+})} - \underbrace{\begin{cases} \mathcal{E}(\chi_{+}) \\ \mathcal{E}(\chi_{+}) \end{cases}}_{\mathcal{E}(\chi_{+})} + \underbrace{\begin{cases} \mathcal{E}(\chi_{+}) \\ \mathcal{E}(\chi_{+}) \end{cases}}_{\mathcal{E}(\chi_{+})$ Eng to good suple! Only a pts in super! k(m)-) No reed to select thin, Dinne or sand ong Idams 2 K(m/-)