Def: Systemasic success Globs suples for

P(0,1,..., 0, | X), the sistenam poster with promise.

Where P(0;10-;) is known by E(1,...,p3)

when B-j:= { 81, 82,... 0;-1, 8;1,..., 8p3}

i.e. all 0; s except 0;

(See Lext page)

Syp 1: Missalar Do = (0,0,020,...,0p,0) Sep 2: Suple O1,1 fm PO, 1 82-02,0, ... Op=Op,0x)

Suple O2,1 fra PO2/01=01,1,03-020,... Op=Op,0x) Step 3: upon Sup 2 for may thes. tle donn is show the sayles, given & 300 cone from Paris, Ep/X), Prof. a squence of r.v.'s (scalar or vector) Def. Consider Yo, X, X2,... nit sygura X. If P(XeA X+-1, X+-2, X+-3, ..., X+-s) = P(X+1X+-1) HE, S The Sinks sylen a Markon Chair? HES!!! "Menc"
Def. A Marker Chairs's "Variety deiterbran" Horas mare HACX of distributions kind if cont. is addist as: P(X+H) = SP(X+H, X+) dx = / (X+H/N/N/P(K)) P(X) dX+ mongin out a ffer f
the prenion whe = S (Know / No) P(Ko / Non) (Kon) dx Sex = PE Knowy = ( = P(ki/Ki-1)) P(Ko)dx Cool equisor high?

Thin. for my storing distr. P(X) P(X) = lim STT P(BilXi-1) P(B) dX Ret: A jet P(X,..., Xp) has the positions cont. 4 4; P(K;)>0 ∀x; ∈ 5, (X;) Thm: Consider Promise has the possessing cond. Hen, Vac Sylv) P(X,-,Xp) \( \frac{\frac{1}{\phi(x)} \ \ \frac{\frac{1}{\phi(x)} \ \ \frac{\frac{1}{\phi(x)} \ \ \frac{1}{\phi(x)} \ \frac{1}{\phi(x)} \ \ \frac{1}{\phi(x)} \ \ \frac{1}{\phi(x)} \ \frac{1}{\phi(x)} \ \ \frac{1}{\phi(x)} \ \frac{1}{\phi(x Grr. It (XIII...,XP) has the pointing cond.  $\Rightarrow P(X_1|X_{-j}) > 0 \quad \forall X_j \in X \quad i.e. all cond. densitive

we have a.$ We head this for the proof.

Who is the transmer kearl for the bibbs supler ?  $P(\vec{\partial}_{t+1} | \vec{\partial}_{t}, X) = P(O_{t+1,1}, ..., O_{t+1,p} | \partial_{t,1,...}, O_{t,p}, X)$ 

Syspensia Skeep Skeps ... NOT Byes Pule! = P(O+1,p/ O+1,1,...,O+1,p-1) . P(Oex, 1-1 | Otx, 1, ..., Otx, 1-2, Ot, p) . P(0+1, p-2 | 0+1,1,..., 0+1, p-3, 2p-1, 0+,p-2) . P(O+1,2 | O+1,1, Ot,3,0t,p) . P(O+1, 1 | O+1,2, ..., De,p) P(O+1) = S P(O+1) OE) POE) do if P(Dos) = PQ Han olum disor is the runner disor = S. S. P. D. P. D = S Keme S (Ott) Our Dup (Oter, Oup) & Oter & Oter, dep) & Oter & Oter, dep P(041,1,04,3,... 04,p)

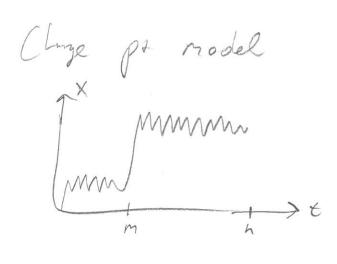
5

P (2+1,1,... θειρ.ρ)

Prous the le Gibbs Single. Corneyes.

Some comples...
Suppose gor un so do some ad mul models...





tid poison (1) tid poison (22)

Bosh X1, & 44 km and my fle change ps) 4 4 km mm.

DI robann (CB), he robana (B), P(B) & 1 i.e. Unition document

P(x, x,n | X,..., x,) ~ P(x,..., x, | x, x,n) P(x,) P(x) P(x) < e-mil zex: e-(h-m) ho zexo za e-bi, za e-bin = e-(n+b) / sxx + x-1 e-(n-n-B) / 2 xi + x-1

P(x, | X1,..., x1, x1, m) & Gaming ( \( \sum\_{i=1}^{m} \times\_i \times\_i, \ m+ \( \beta \)) P(x2 [xy...,x,h,m) & Gamm ( Ext. xi + x, n-m+B) P(m 1 x1,..., x1, x1, x2) < e-m(x1-x2) > Exi > Exi = f(m)

= 160 Sible discre ... casy to sounde from