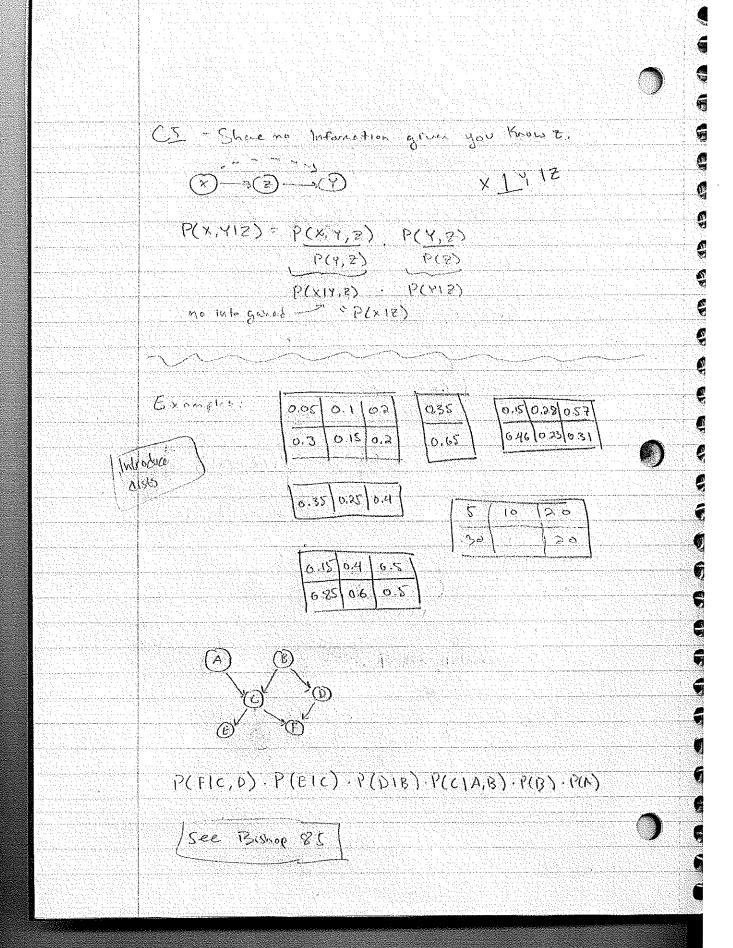
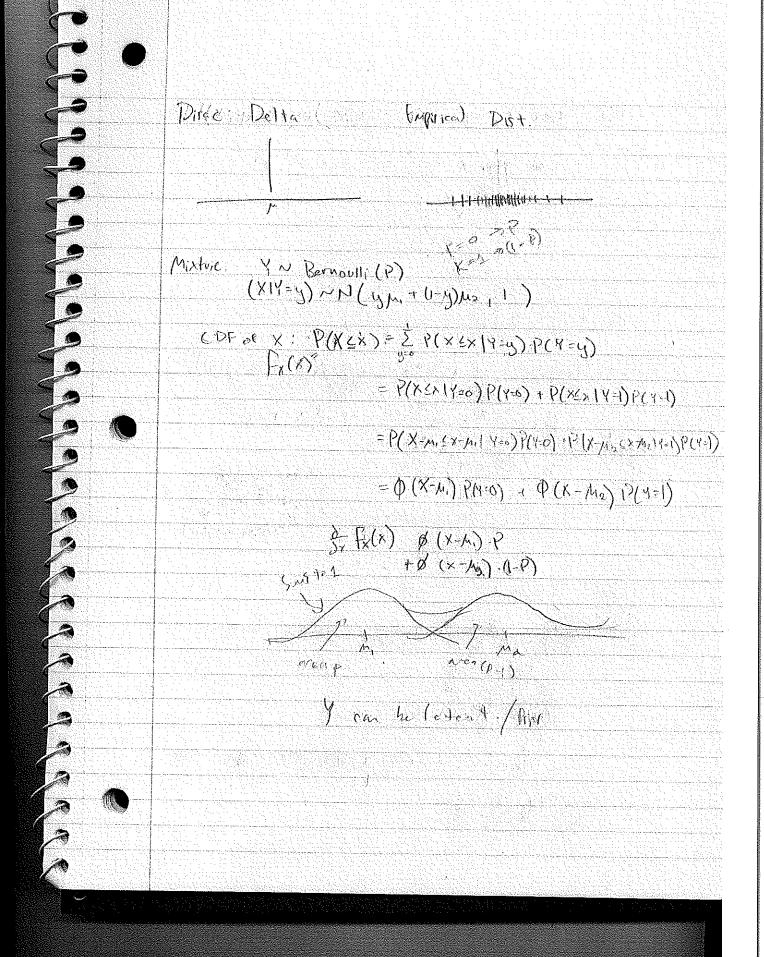
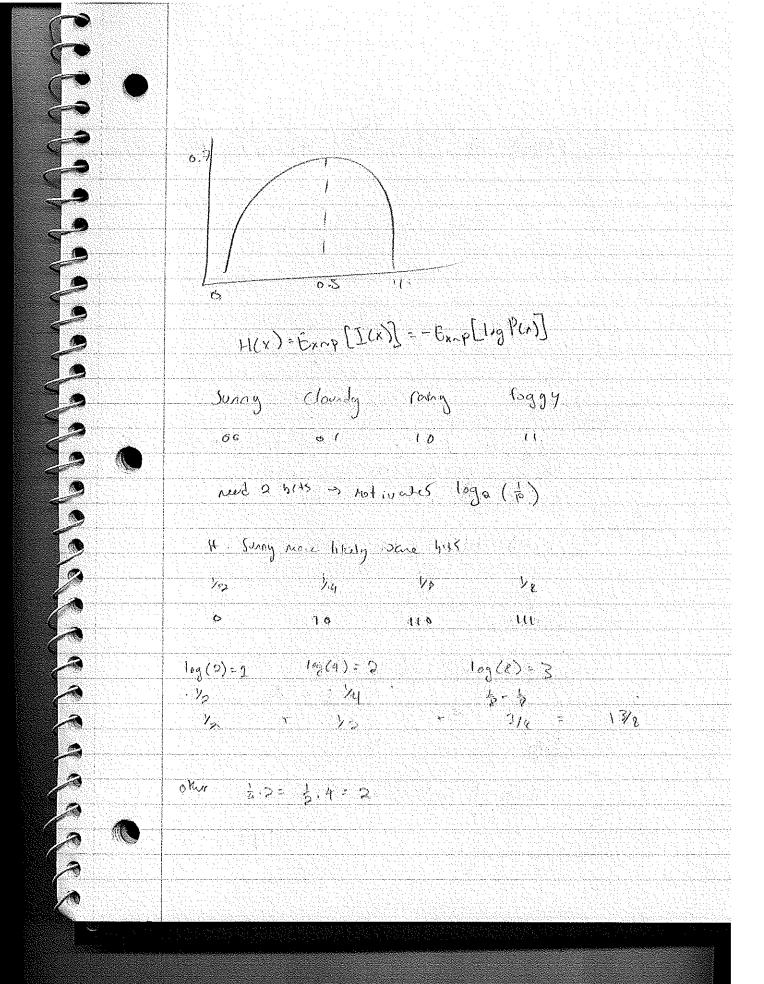
	required by first
	$X \sim F(x) \rightarrow P(X = x)$ $X \sim F(x) \rightarrow P(X \ge x)$ $X \sim F(x) \rightarrow P(X \ge x)$
4	[10] [10] [10] [10] [10] [10] [10] [10]
2	SPCK)9x=7 Axex)bck)30 M gowaln
<b>3</b>	Daint P(x)4) => P(x=x, Y=y)
) — )	Marghal $P(x) \rightarrow P(x=x, y=arbitrary) = \frac{1}{2} P(x, y=y)$
	$\int P(x,r) dy$
	Conditional $P(x, y = y)$ $\rightarrow P(x, y = y)$ $P(y = y)$
	Chair Rule Imedicately follows: Do Brigos Rule  Where
	P(a,b,c,) = P(a,b,c), P(b,c), P(c) P(b,c) P(b) P(albc), P(b)
101	Independence:
	Shar no latermation P(a,b) P(alb) P(b)





CII. Let X1, X2113, Xnik with mem praton of co 7h(X-m)=2N(0,03) LLN: A X, B, M. Var(fix))=# ((fix)-#(fix)))) Cov(f(1),g(1): IF (/f(x)-if(1(1)))(g(y)-E(g(y)))) 田(×)= デジ× oc (V·b×9× 点 Z (X-M) (Y-My) Usta) tinctions Signaled Octo 110-x Poole Ron, Saturates Softipus ((x) = log(1+exp(x)) so Arnor wish of Roll



Dry (P110) = Fing [log (Pa)] = E>~P[log (Pa)-log(a)] - ZPIN(P) = - ZP(Z-1) by Inx < X-1 -21-2-1)=29+28=0 H(P,a) = - Employ (QLX)) how much it cost to rode Q meer 13 roding schime H(P,Q) = 1-1/P) + DK (PHQ) Minimizing is equiv.