` 				-	,	, -						
	JOINT DISTRIBUTION	MARGINAL DISTRIBUTIONS		CONDITIONAL DISTRIBUTIONS		EXPECTATION				INDEPENDENCY		
MARK			90710 N.S FOR *	FOR X Y	FOR YIX	EX)	ELY)	E(xy)	E(X(Y)	E(YX)	 	
± 	P(x= xi, Y=yj)	POR X PCX=X;	<u> </u>	P(X=2i/X=4j)		E(x)	E(Y)	ECXY)	E(XX)	euk)	h 1 1	
	= þ _{ij}	= P ₁ .	= þ.j	•	= Pij	= 5 ack	ا برما	= \$ £ X ; 4; }	25 X H	二季的阿凡.	Pij=Pi. Pij	1
DISCRETE	such that	=产的	= = = Pi	= Pij Pij	Þi.	$\frac{i}{2}$	= 7		Conditional		₩ ()	
	(ii) \$5 hi = 1					(Mean	Hean			Hean q YIX')		
·	- 1					gx)	`& Y)		^)17./	1/ /		
	かんなくなられば	,	fy(4)=	1×1× (x)	14k (A)	Eix)	E (v)	E(xy)=	E(X)4) =	E(Y/x)=		Regression Curves of you
CONTINU	-1 (x.v)drd	₹(x)=	J= (x,9) =	= (x,(7,y)	= / (ry)	= [x f (x) dx	= 44 (x)dy	Jay du	y z byydx	13ty ay	fxy(x,y)	K un
-ous	= f (xiy)dxdxy	= Harry	, ×	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1x (x=x)		= Y (Hean of	~	Conditional	Conditional	~ A a > > a > 1	Y=E(Y X=x) Reguention
	(i) \$x,(x,3)> 0	, ,				(Meang)	Y) 4		1	mean sy	V(x,y) ER.	conve of X ony
	(ii) [[txxxxydxdy					· / /			Xly J.		V (Lig/Cia.	wx= & k 14=4)
1	21	<u> </u>	<u>'</u>	26.7 64.8	hu72		Regre		ines.		ENTRAL LL	ALT THEOREM
=) (onditional Moodance of X y on E(X 17) = (X 17) = (X 17)												
=) Covar	-8(x-x)}=	- Y/) 590	ration X-X	V		=byx(x-i	then 1	i) X= Exi ~ N	(M, 52)			
Reg. h. = rox/or buy = roy/or (1)										V(mu, ma2)		
=) Correlation coefficient $r_{xy} = \frac{Cov(x, y)}{\sigma_x \sigma_y}$						$\frac{n \times xy^{-2} \times y}{n \times y^{2} - (xy)^{2}} = \frac{n \times xy^{-2} \times xy}{n \times y^{2} - (xy)^{2}} = \frac{n \times xy^{-2} \times xy}{TRAN}$					NSFORMATION	OF 20 RVS
=) For discute data,						De It Ibrus then banks and que (u,v) = for (xiy) []						
T _{XV}	= 1 7 7	vice versa. There with the withing T- d(xix) - dx dy										
$ \sqrt{n_2} x^2 - (\xi x)^2 \sqrt{n_2 y^2 - (\xi y)^2} \sqrt{2(x-x)^2 \sqrt{219-9}} $							4. If bxy x byx are -ve, then rin-ve					
D A K	= 0 , the date	1 ec	5- Angle	blw lki	lines 0=	30 1 (1-12 - 0x)						