EXPERIMENT	PANDOM	EXPERIM	ENT	SAM	PLE SPACE		EVENT		
Process of Trial	when o	itcome i	5	collection	on of poss	sible	Subset o	of	
& observation	uncertai	n before		elemen	tary outco	mes	Sample S	pace	
	experim	ent is							
	Performe	d							
UNION COR)	INT	ERSECT	ION (A	ND)	MUTUALLY	Exclu	SIYE		
event that consists	of eve	nt that	consists	of	when their	r interse	ection does	nit	
all Sample points	in all	sample p	oints in		Contain a	ny sample	e points		
either A or B or b	ooth. both	AEB			(nothing i	n commo	n)		
AUB or AorB	An	B (or) A.	and B						
meaning A+B.	Just	sample p	ints in c	Common.					
DIFFERENCE OF 1	Events	AXIOM	ATIC	Probabi	LITY				
A-B -> all sample	points	P[A]							
in A but not in B		1. 0 ≤	P[A] 4	- the pro	bability of	A happenin	ng is restr	icted blw (0
A-B = B-A				cannof	be more or	less.			
		2. P[S]	= / → Pro	bability of	outcome b	peing from	m sample	Space is	1
CLASSICAL PROBAB	ILITY		mei	oning certa	inly.				
	at to oute ame	3. P[Ø]	=0→ pro	bebility of	outcome c	oming outs	side Sampl	e Space	is
P[A] = no. of favours	le outcomes		Mea	oning Imp	ossible				
$P[A] = \frac{Na}{n}$		4. PT ALL	1 A2 U] = P[A) + P[A2]+				
					events	Ai∩ Aj	= Ø		
		→ PCA	UAZ	.] = \(\hat{\chi} \)	P [Ai]				_