ESTIMATION OF A FUNCTION, PARAMETRIC AND NON PARAMETRIC TEST What is estimation of a function, F? And only do we estimate F? Ans - Function f, connects the input variables to output variables f may involve more than one input variable. - We estimate f because of 2 reasons: 1) Prediction in Inference 1) What do you mean by prediction? Ans - Set of input variable is mapped be with output X. through function. Example - suppose x, x2, x3 are characterstics of a customer who will/ invested in fixed deposit. Accuracy of \hat{y} depend on two quantities -) Reducible error (bias evolor) 11) Irreducible esuson. - Irreducible everon is something we cannot reduce. Quantity may contain unmeasurable variation. Suppose while targeting customer who will invest in fixed deposit, corona virus happened and everything went into lockdown. 1) what is Inference? Ans - Relationship between an independent variable (x,,x2,...xn) to understand the effect on Y. Few eg - 1) Relationship between predictors (correlation) on can we say a relationation between y and each predictors can be summafized using eqn. 9) How do we estimate function +? Ans - In order to find a function, of such that y=f(x) we have two charactersties -i) Parametre function in) Non parametre function 9) Différence between Parametre test/function with Non parametre test/for. NON PARAMETRIC TEST/FUNCTION PARAMETRIC TEST/FUNCTION Do not assume any assumption as) Assume assumption about the It takes whole population (almost) population 1) Don't need any distribution about the n) A soume a regular bell shope/ normal distribution 11) Results connot be generalized if we III) Results can be generalized to the take another population. whole population. 14) Large sample to draw conclusion. IV) small sample to draw conclusion.

P) Give ex	cample of	Dalametric an	d non + parametri	c test HOTAAM OT
	CONDITION		PARAMETRIC	NON-PARAMETRIC
Compare :	1 Median/Media	to specific value	2 test, 1 sample thest	
Compare 2	Median/Mean	to speafie value	Pained sample + test	Wilcoxn signed
Compare	2 independent	median/mean	2 sample + test	Mann-Whitny
Compare	3 or more med	ian/mcan, 1 variable	1 way Annova	Krushkal Wall's
Compere	3 or more med	lian/mean, 2 variable	2 way Annova!	Fredman
Treat 2	categorical van	abh of	None	chi-square testof Independence.
maepenae	na. toploon	office od Light	m 9 sldsnev =	o Independence.
Parametric	test uses	mean as	center of distribut	ion,
Non parame	tric test o	ses median o	is center of dist	upohon
Koron Std.	y none stank	nochiles JR	p and no bry	Acadora in the property of the
				SAME TO PROPERTY OF A SAME TO
	CASE OF VACIETY OF PERSONS	A THE STATE OF THE		
	Sund	ions thou have	Color a. Miles Kap	ations a pover in
dishover ((V., V).	olderov tocka	golonias asiolat	one of the first on one of the on
pacifical Assert	noo ka frail	E [30] [43] E - 10[0]	one are total and	STOT 6 6 5 10 4 100 8 31
		es teal year	yes yes h wa	cord of the military of
			will all the stand	e and to we do
acceptant	1 (1) += 1	and down to	not suit a bar	H LAND TO THE
hoor withour	and action	sold sold	way I Ad and I	from the dispersion
WALL		N. A.		
	we to proper to		Desillane of as	a) Coff gares to Just
		1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /		PARALACTEL
tom (a) to	ologia slova	So love 1 (- WE POOLED TO	defore to a some of A.C.
l loods bed	e low by the	Monthad A	Lago Fellocking	tigation comes no
		dore.		erfe to be a someon we
A TO THE MENT TO BE	199 40 70 710	5 1/6 3 7 00	with of Isolania	2 3 K you . The 3 (0)
	· optiological H	they want		Verlole to a slorid
Acrellanose	wills of olg	nos astronomical	Appropriate tops	g st vos . The of Cl. hardelegag storen con constant