in the sample are le Julx) Shall assume for Observed Values of Jin(x) constituted Sometimes I of the some of the volve Value of Jample he e observed values of X1 X2... Xn:
I've the observations come from a continous distribution
we is a probability of Zero (a) that any of the the
review values of x1. I'ven will be equal. Thus we continous bandon sample and let x, x, -- xu is tad Number of consider a of the order states function of (>c) defined the way is called the one less than or egral to x D magaray-Smirner test = Km. from the values of the value in number of I a law the value In (xe) is called the empirical distribution order statistics of the sample than Simplicity that all the n-values are less than or egral to 2, then 11 × 5 and so In a 3 2=4 and Kingains and temphs at Sample

あるが 7 Now let 加定 0 Myldrand. dishibuta given humber x Grap Marly 2 particular ri si follows that of equal to x observations in the denote the denote the distribution further from which the sample was draw ber x (-& LxLd) the onbal (1 1x hy & the is less than or ton the will converge to fire Jam ple) the A MA ple while of (4) के फार्क drain phidadiphy

BFL Im they

(pe) is the sample distribution function To 18 12 18 is the sample size the sample distribution

from which pont he teletim a expresses the x the sample the random sample was to the actual distribution of the fact that Odram. ませ at paul Shibutian

SUZ カノダ the I fee

to the monum distribution and partitle that the after distribution the mxhown distribution function hypother's general actally

the Co n 1 N x 8

去 the hypothesis to is hot true

may non parametric any continous distribution. who he e bandon Jample because May tenjen MAHOWA

ty(x) denote the sample distribution further

and

on = Sup Lads In is the marin

the saf fixed and the hypotherized difference J. *(X)

Then to in egn (2) is two the publishing distribution of by will be a certain distribution which is the same for any possible continues distribution.

The does not depend on a particular distribution being studied in a specific problem.

Tables of this distribution for various values of n (sample size) have been doscound on a specific problem.

Varlues of es of g of som that; The tables gives the

P(bn = bn 2) = 1-2

test Below R Same entitled Valves Ko)mgaw-smina

	h750	20	145	Ho	35	30	22	20	15	70	N	7	2
N	1007	0.13	0.16	41.0	8/0	0.19	202	82.0	42.0	6,32	124.0	0.20	
12	12	4.0	61.0	81.0	0,19	0.20	0.22	0·24	6.26	45.0	13.0	argun) A
3	1.36	0.9	6.2	4.0	0.53	0.24	65.0	0.29	0.34	140	95.0	50.0	
Vn	100	0.23	0.24	0.25	0.27	62:0	0.32	0.36	0.100	0.49	64.0	0.61	

hormal that Allowing Jample hypotheri Ad majorar smither test tram a standard

もから 1.23 -in ース、そ 1.64 トゥル 1.62 28.0 94.9 1.39 23.0 一名二 一方 70.99 किने.9 46.9 £0.07 70:35 -0.42 -0.02 10.0 18,0

M 干 4 do a 0 万 = 0 0 5007 Arrange determine V homal When Das れー 35, -We referr to if by > \$ 0.05 -0·10 40.07 たら -8-42 want to test 名二 70:07 こった 20.65 0.40 6.27 10.00 (8,0 S, S 44.0 2/0 70.39 12.46 the Sample values in astending order タノメノタ hypothess is not the ty(x) and 80.0 = 52h 3/25 = 0.12 1/25 = 0.04 420 20.02 the 0.16 0.52 95.0 0.64 24.0 0.28 0.24 かから 0.40 0.32 0:20 0.36 from tables) 125 (X) 20.05 Ctol. 28 6.49 0.161 10/109 ०१११० 0-348 6/0.0 0.160 466.9 600.0 0.663 559.0 0.606 2601.0 250.0 10-27 of the and 0.063 0-120 481.0 0.126 250.0 260.0 0.102 0. PI 7.21 0.137 0.00) 0.033 0·114 0. 103 0.135 8000 Tandord 少公 tak

63

	7,6	DE	B	R	7	age .	15	8	C	
	34:1	1.64	1.62	一、ま	一一节	1.39	fo.1	88.0	X	
2	01 = 1/2	0.46	26,0	88.0	48.0	08.0	94.0	24.0	Fyed	
101									FXQ	
	0.039	0.040	6.027	640.0	bto .0	0.118	8,000	1,0.091	F.(x) - Fxx	

Grething fxx

1 - 3.46 - 70

- 1 - 0 (3. pt) - 1 - 0. 9931

Jet = 0.137 L Bas c 0. |37 100.00 and 10.27 42.0 hence The do 40 म

standard hormal distribution. Fied to and conclude that the sample came tim a

Test the hypothesis by Kolmogorov-son, mor test that the following sample valves come from a normal distribution when recon a and variable so at a = 0.01 されず 2:30 22.5 88.9 48.6 25.0 01.50 49.6 1.0h 1.02 3.64 5-48 3-12 0-10 3.40 25.0-34.68