Majmor Kenko Majuer, 59x 188

$$X_1 = 1,53, X_2 = 2,83, X_3 = -1,25; X_4 = 1,86; X_5 = 1,31$$

$$H_0: M_x = M_y$$
 1) $\overline{X} = \frac{6,28}{5} = 1,256$

$$H_1: \mathcal{U}_X \leq \mathcal{U}_Y$$

$$\int_{0}^{2} \frac{1}{h^{-1}} \left\{ (x; -\overline{x})^2 \right\}$$

$$H_1 : \mathcal{U}_{\times} \leq \mathcal{U}_{Y}$$

$$\frac{1}{5} = \frac{1}{1574} \times (x; -\overline{x})^2 = 0,604 = 0,054$$

$$= \frac{(1,53 - 1,256)^2 + (2,83 - 1,256)^2 + (-1,25 - 1,256)^2 + (1,86 - 1,256) + (1,31 - 1,36)^2}{(1,31 - 1,36)^2 + (-1,25 - 1,256)^2 + (-1,25 - 1,256)^2 + (-1,25 - 1,256)^2}$$

O-yur paenfeguenua;

$$\frac{0,075+2,47+6,265+0,364+0,003}{4} = \frac{9,17}{4} = 2,294$$

$$5_{x}^{2} = 6_{y}^{2} = 2,294$$

$$z) \overline{y} = 1,486$$

$$Z_{pae} = \frac{\overline{x} - \overline{y} - 0}{\sqrt{\frac{6x}{n_x} + \frac{6y}{n_y}}} = \frac{-0.23}{\sqrt{2 \cdot 0.4588}} = \frac{-0.23}{0.957} = 0.24$$

$$\emptyset$$
 $X_1 = -4,3, X_2 = 3,4, X_3 = 35,8; X_4 = 27,7, X_5 = -13,5,$

$$\chi_6 = 30, 3$$

$$d(x) = \frac{e^x}{1+e^x}$$
, $\lambda = 0,01$.

(3)

THO H (:

Nuj

Har

14/2/2000	Wine OWS A	FORCE OT 520M	
×	F(x) (teop)	F(x) basex-	ΔF
1	0,729	-4 , 3	5,029
2	0,879	3,4	-2,521
3	0,951	35,8	- 34,849
4	0,381	27,7	-26,719
5	0,993	-13,5	14,493
6	0,597	30,3	-29,303

Dreen = seep = 34,849 Dreen = 617

Dreer < Drasa => Ho ne orbepuelous

 $3) X = (X_1, ..., X_n) + f(x, 0) = f(0+1)x^0, x \in (0, 1)$ $0 \in (-1; +\infty), \hat{0}_{ML} - ?$ $L = \hat{\Pi}(0+1)x^0 = (0+1) \stackrel{?}{\leq} x^0$ $\ln 0 + \ln 1 + \ln 1 + \ln 1 = \ln 1 + \ln 1 + \ln 1 = \ln 1 + \ln 1 + \ln 1 = \ln 1 = \ln 1 + \ln 1 = \ln$

 $\widehat{\mathcal{D}} \quad f(x; 0) = \begin{cases} \frac{6 \times (0 - x)}{0^3}, & \text{now } x \in [0; 0] \\ 0, & \text{now } x \notin [0; 0] \end{cases}$

Venspaceonois monché 2000 nopregna: $\frac{1}{n} \leq (x_i - \overline{x})^2$

$$6) \hat{O}_n = \frac{5n+3}{4n-2} \times n$$

Oyensa abenezia coemoconensuo, cener lim P(1 Ôn - 0 1 = 0

		licecas	Uepnan	Quonei	n
9	" 5 °	100	40	50	190
	,, 44	65	60	50	175
	m	165	100	100	365

Mo: pyrka u beservea regalueeueur

H.: galumeror

· p(45") = 0,52

· p("4")=0,48

Nupron: $\frac{\sqrt{-np_1(\hat{O})^2}}{np_1(\hat{O})} \sim 22_{1,2}$

· p (" cieriae") = 0,45

·p(uzepnes)"=0,275

· p(, goeson) = 0,275

Har gornero Forco 6003 6 reognes: (p. n.m.)

o lecqu	aa: (1)		1	
1 200	ceculi	Ulphan	goeeon	
, 5	85,5	52,25	52,25	50
" 4 ["]	78,75	48,125	48,125	ars
	165	169	Kiers	365