



kos testiemerical distribution function -> cummitive purbability
clistoi bution function.

Lyguen set or sequence with another
distribution.

kos - test

(1) Define hypotheis:

H.
$$f(x) = f_0(x)$$
H. $f(x) \neq f_0(x)$

x,, 22, 33, xy. --.

check they are form uniform (a,b) disitorbution $f(\kappa) = \frac{1}{h-a} \quad a < x < b$

$$f(n) = \frac{1}{b^{-n}} \quad a < x < b$$

$$f_o(x) = \int_a^x f(x) dx = \frac{1}{b-a} (x-a) \quad acx \leq 2.$$

$$F_n(x) = \frac{\vartheta(x)}{n}$$

D = map | F, (x) = Fo (x))

tolerance. 1 Crempase noith 40.

D> critical value

Not randomly drawn.

Two distributions

Fn,

X1, 72, 7 Y1, Y2, Y2 Dr., nz = somp | Fn, (x) - Fnz (x) |

Worldon!

correlation = Cor(x,y)

Var (x) Varo(y)

= (ov (Jt 1 J t-K)

Var (y) Nur (Jt-1)

So we finised

(d) K-s test

(2) Autocoorclation test.