Tect Manna- JUTHU

Z-TecT (47T):

$$Z = \frac{\overline{\chi} - \overline{y}}{\sqrt{\frac{\hat{G}_{x}^{2} + \hat{G}_{y}^{2}}{N_{x} N_{y}}}} \xrightarrow{\text{AS3}} \mathcal{N}(0, 1)$$

1 DyTCT PATT

@ Kenapayerp. Teash

Tto general econ hpequoconnec chonamics?

- · Has N. 3ab.
- BUSPOCH
- med buecto x
- the zhaen ac. p.-e
- Tru Texkuku peurat the Bue imposited in, the kanne-To

Reputerni zkakob

Map: Somme 1/2 kg. Demebre & MAH. P

H.:
$$\mathbb{P}(X < 1) \ge \frac{1}{2} = \frac{1}{2}$$

$$H_A: \mathbb{P}(X < 1) < \frac{1}{2}$$

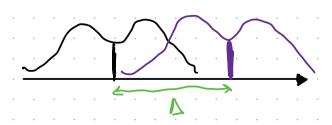
$$T = \sum_{i=1}^{n} Z_i \sim Bin(\frac{1}{2}; n)$$

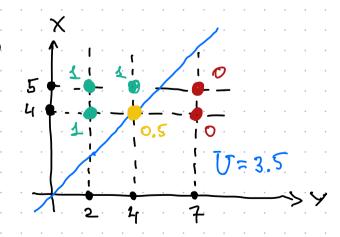
Tex Marka- Yuther

Econ y hac gle kezal. Bhopky => Tect 3 Hako & Ke bhiget

$$U = \sum_{i=1}^{n} \sum_{j=1}^{m} \left(X_i > Y_j \right) \sim \left(\frac{Q}{Y_i} \right)$$

$$H_A$$
: $F_x(t) = F_x(t + \Delta)$, $\Delta \neq 0$





longe blecter Tect CT. g. Patt 208.

HASA.	otkyga	Panz
1 2	143	
4	ry	2.5
. در	٠ ع ١	2.5
5	x	4
7		

$$R_{x} = 2.5 + 4 = 6.5$$

$$R_{y} = 8.5$$

$$n_{x} \cdot n_{y} = 6$$

$$V_{x} = R_{x} - \frac{n_{x} \cdot (n_{x} + 1)}{2}$$

$$6.5 - \frac{2 \cdot 3}{2} = 3.5$$

2 3.5 3.5 5 Pattzh

$$U_{y} = R_{y} - \frac{h_{y} \cdot (h_{y} + 5)}{2}$$

$$8.5 - \frac{3.4}{2} = 2.5$$

$$P(U=6)=\frac{3!\cdot 2!}{5!}$$

$$P(U=5) = \frac{3!2!}{5!}$$

$$P(\overline{V} = 4) = 2 \cdot \frac{3! \cdot 2!}{5!}$$

$$\mathbb{E}(\mathcal{D}) = \mathsf{h}_{\mathsf{y}}, \mathsf{h}_{\mathsf{x}} \cdot \frac{1}{2}$$