



Mahalanohis - Pistamap, Pz) = V(P, -Pz) T Z (P, -Pz)

- Vava Com Com Com Com Test \[\begin{align*} \text{Var(\kl)} \\ \text{Cal}_{1,1} \\ \text{Cal}_{2,1} \\ \text{Cal}_{2,2} \\ \text{Cal}_{2,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,3} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,3} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,3} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,3} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,2} \\ \text{Cal}_{3,3} \\ \text{Cal

$$C_{N}(x,y): 1 \leq (u_1-\mu_x)(y_1-\mu_y)$$

 $S=Var(a)= 1 \leq (u_1-\mu_x)^2$

 $N(\mu, \delta)$ $N(\mu, \delta)$

Manhattan-distance = $\sum_{i=1}^{n} |u_i-y_i| = ||u_i-y_i||_1$ che by cheft the Mark (ni-y.) = 11m-y1100

(my)

Mink owsky-list = (21ni-yi) p=0

(my)

Chetnichell
$$(P_1P_2) = 5$$

$$||P_1 - P_2||_{\infty}$$

Categorical features 11 P, -P12 - 1 (0-1)2 P. = (Mate, 'Mark') $\|P_{1}-P_{2}\|_{2} = \sqrt{(o-1)+(o-3)^{2}}$ P2 = (female, 'Compater) hamming (p1, P2) P3 = (Mote, 'Art) hammy (P,,P3)=0+1 P4= (fende, physics)

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Scaler Standard Scalur (-3, 3) Cosine Similarity [my] = [m]. 1y1 Coso $Coso = \frac{[m.y]}{[m]y1}$

