HYPERPARAMETERI	
Weight -) (uniform' or waters " aistonce."	
· un Horm -> each note has some nalle. Mukest ambon	n
& Umayat note are considered some.	
assigned mor weight it	
· generally -> W=	
EXI->	_
uniform (x x) x (x) (x) (x) (x) (x) (x) (x) (x)	
majority, count.	
no of black livery	
Show blue count is more for t=3 new quy will be assigned to blue.	_

Ex2 When W= distanu! distance × 0.1 XX 0.9 Since Black mughtage to move than of blu to black. Types of Distances Distance me mure using mas erclidient distance There are other types of distances loving Euclidient distance: shortest distance lectures a points K'AI X7AI

YOUVA Mis = J(x2-X1)2 + (1,42-41)2 Jos 3 diminsions > J(x2-x1)2+(42-41)2+\$2-21)2 for m dimension  $\rightarrow \left(\frac{d}{2} \left( x_{2i} - x_{ii} \right)^{2} \right)^{\frac{1}{2}}$ · d - no of dimensions Also called L2 norm. Monhatten dietance \* also called taxi cab distance

\* LI Norm M= Ziel | X2i-X1i | -> for n dimensions for 2 pto > dim =) (x2-x1) + (y2-y1) Min Kowski -> custom Morm = 3 = 13 Norm = 2 \( \times \) & (1' X21 - X11 ) 1°=> 10