H	
$\ $	KNN & Visualize Algo performance
	Ly we have a dataget ie; labelled into two
	Classes A & B
	we have random points in the space and we
\prod	need to cressify.
$\ $	Take distance from each of the labelled points
	and chosing K-nearest neighbours, if majority
	are from one class it inherits that class.
	K=1 → nearest/ adj neighbors.
	evclidean distance.
	we trained data and a query for which query it belongs
	tv.
	-> If out of our K=7 points 5 belong to A, 2 belong to B
	=> class A
	Mis Dataset 30 DV4. Lot 2000/2000 51. 1212
	eweighted KNN -> The nearest K most have the highest say
	and the second of property is the second
	Dist J Ser your see see see
100	Visualizing Data
162	- Rec. and sog
3	Voronoi diagrame help you to visualize the dataset by
	Partioning the plane into regions that are close to a
-	given set of points.
	-> Each partition has its own dominance.
	the second read the second condition (8.
	Ex: Miss-classifia I i m
	Ex: miss-classified; in green region some ar
Will be	
*	decision boundances -> classification tasks.
	weighted KNN

*	
	(s) Amy model, assume regress/clasen. If in feature space close of some class (NBD)
	-> Nearby instances should have the same label [that
C	most of the cases in a small NBD in feature space belong
	to the same class?
	-> All features are equally imp (standardre)
	-> Complexity is turned by the K parameter.
	the set we want to the set
197. 1988	Ex: mm (xaxis) stretched) = Imp of standardization.
	cm (y-axis) short
4	a parties and the exercise process in a transfer
*	weighted KNN interpress of my man of
	Looksur 6000
	-> If there is a tie in majority labels, one can do
	weighted voting.
, Au	a Que no wais out determined
	· samples are weighted by inverse of distance to
	who preforme P. It is a mile degree of medale
	w= 1/D weighing the samples.
	fine and sugar and sugar or married
	1+d(p:x1) 1 its own neighborr
	larger wt
*	Ex: Blue: wt may blow up range must be blow 03)
	3 - Cl 33 distillo My BIX. R JS COMMING WAS
	wt:
	Frank Lauren Lauren
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