WS #15 - Support Vector Machines 1

Monday, November 11, 2024

Your Nam	ne:								
Names of 1	people you w	orked with	n:						
What do	you love abo	ut your m	ajor?						
Task:									
each plot	the following approximate does perfect	the boun	dary which	ch would	be created l				
	k–NN boundary ($k = 1$)				CART boundary				
	3.0 -	+	-	+	3.0 -	+		+	
	2.5 -				2.5 -				
8	2.0 -			2	2.0 -				
	1.5 -				1.5 -				
	1.0 -				1.0 -				
	0.4	0.8 x1	1.2	1.6	0.4	0.8 x1	1.2	1.6	
'terrible' linear boundary					'best' l	inear bo	undary	,	
	3.0 -	+		+	3.0 -	+		+	
	2.5 -				2.5 -				
× 2	2.0 -			X	2.0 -				
	1.5 -				1.5 -				
	1.0 -				1.0 -	_			
	0.4	0.8	1.2	1.6	0.4	0.8	1.2	1.6	

х1

x1

Solution

