

Université de Mascara

Faculté des Sciences Exactes

Département d'Informatique



Correction DATAMINING

Master 1 : SITW

Chargé du Module : Mr KHALLADI.R

Exercice 01 (8 points)

Itération 1 : (4 points)

Classe	Axes	Centre 1	Centre 2	P1	p2	p3	p4	P5	P6	p7	p8
Totalité	X	6.0	1.0	2.0	2.0	8.0	5.0	7.0	6.0	1.0	4.0
	Y	4.0	2.0	10.0	5.0	4.0	8.0	5.0	4.0	2.0	9.0
	distance(pt,C1):			7.21	4.12	2.0	4.12	1.41	0.0	5.38	5.38
	distance(pt,C2):			8.06	3.16	7.28	7.21	6.7	5.38	0.0	7.61
	distance min			7.21		2.0	4.12	1.41	0.0		5.38
	distance min				3.16					0.0	

Classe 1 = {P1, p3, p4, P5, P6, p8}

Classe 2 = {p2, p7}

Itération 2 : (4 points)

Classe	Axes	Centre 1	Centre 2	P1	p2	p3	p4	P5	P6	p7	p8
Totalité	X	5.33	1.5	2.0	2.0	8.0	5.0	7.0	6.0	1.0	4.0
	Y	6.66	3.5	10.0	5.0	4.0	8.0	5.0	4.0	2.0	9.0
	distance(pt,C1):			4.71	3.72	3.77	1.37	2.35	2.74	6.36	2.68
	distance(pt,C2):			6.51	1.58	6.51	5.7	5.7	4.52	1.58	6.04
	distance min			4.71		3.77	1.37	2.35	2.74		2.68
	distance min				1.58					1.58	

Classe 1 = {P1, p3, p4, P5, P6, p8}

Classe 2 = {p2, p7}

Exercice 02 (12 points)

MAX (4 points)

1.0	1.0	2.0	4.0	4.0	5.0	6.0	7.0	7.0	10.0	13.0	14.0	18.0	20.0	25.0	27.0	30.0	30.0
1.0, 1.0		2.0	4.0, 4.0		5.0	6.0	7.0, 7.0		10.0	13.0	14.0	18.0	20.0	25.0	27.0	30.0, 30.0	
1.0, 1.0, 2.0			4.0, 4.0, 5.0			6.0, 7.0, 7.0			10.0	13.0, 14.0		18.0	20.0	25.0	27.0	30.0, 30.0	
1.0, 1.0, 2.0			4.0, 4.0, 5.0			6.0, 7.0, 7.0			10.0	13.0, 14.0		18.0, 20.0		25.0, 27.0		30.0, 30.0	
1.0, 1.0, 2.0			4.0, 4.0, 5.0, 6.0, 7.0, 7.0						10.0	13.0, 14.0		18.0, 20.0		25.0, 27.0		30.0, 30.0	
1.0, 1.0, 2.0			4.0, 4.0, 5.0, 6.0, 7.0, 7.0						10.0, 13.0, 14.0			18.0, 20.0		25.0, 27.0		30.0, 30.0	
1.0, 1.0, 2.0			4.0, 4.0, 5.0, 6.0, 7.0, 7.0						10.0, 13.0, 14.0			18.0, 20.0		25.0, 27.0, 30.0, 30.0			
1.0, 1.0, 2.0, 4.0, 4.0, 5.0, 6.0, 7.0, 7.0									10.0, 13.0, 14.0			18.0, 20.0		25.0, 27.0, 30.0, 30.0			
1.0, 1.0, 2.0, 4.0, 4.0, 5.0, 6.0, 7.0, 7.0									10.0, 13.0, 14.0, 18.0, 20.0				25.0, 27.0, 30.0, 30.0				
1.0, 1.0, 2.0, 4.0, 4.0, 5.0, 6.0, 7.0, 7.0, 10.0, 13.0, 14.0, 18.0, 20.0														25.0, 27.0, 30.0, 30.0			
1.0, 1.0, 2.0, 4.0, 4.0, 5.0, 6.0, 7.0, 7.0, 10.0, 13.0, 14.0, 18.0, 20.0, 25.0, 27.0, 30.0, 30.0																	