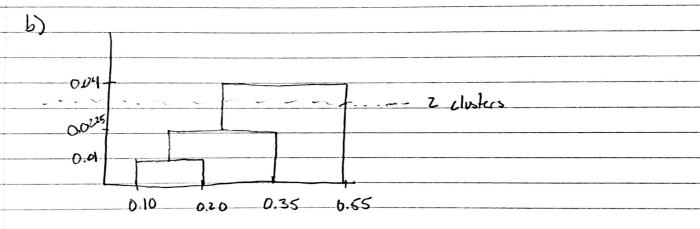
	Ass	ionme	nt 8	}							
	1 a) cluster assignment (entrol Locations										
	iter 0.000				0.640	0.642	0.851	A	B	10	_
and the second of the second o	0				oderania da romania da de la como				0.25	0.90	
According to the second	1 A	A	B	В	(C	<u></u>	0.131	0,370	0.711	
	2 A	1	B	В	C	c	C	0.131	0.370	0,711	
	* The al	wortha a	an veged			ge beh	reco :	u 1	and 2.	er stammelie in de gewone en meier en bekend en geman de en verste geban des geben des geben des geben des geb	
	(d		0								_
	Cluster assignment Central Locations										
		0.172		.429 0	.640 0	.642 (0.851	A	B	1	_
	0						and the second second	-		0.90	_
	1 A	A	BI	3 (3 / 0	3	<u> </u>	131 /	.505	0.851	
	2 A	A	A 1	B r	3 B		_ 10.1	91/0	570	0.851	
										_	
	* while the 3rd iteration has not been presented, it would							18	_		
(8)	be conve							, JL	c as	ssign ment	_
	and loc	ations	are d	floert	than	in A)	•				_
	() compute SSE for a)								_		
									_		
									_		
	SSE = (0.09-0.131) + (0.172-0.131) + (0.310-0.370) + (0.429-0370)										
	+(0.64-0.711) +(0.642-0.711) + (0.851-0.711) =										
	SSE = 0.0399 d) compute SSE for b) SSE = $(0.09 - 0.191)^2 + (0.172 - 0.191)^2 + (0.310 - 0.191)^2 + (0.479 - 0.570)^2$										
									_		
									_		
	+(0.640-0.570)2 + (0.642-0.570)3 + (0.851-0.851)2							_			
								_			
4	SSE = 0.0	c 41	* 5.1	whon a)	<u> </u>	\a	SCE	4.1	1.16.1	1), ,	-
	0.0	3 11		effer.	nuo	ID~a	00L	ana	was	1,102	_
				ettu.	tir në tikan dje gjernjë në kantroning anoremen të pjegjarsë n		en dan men upper eller en en eller en		_		_

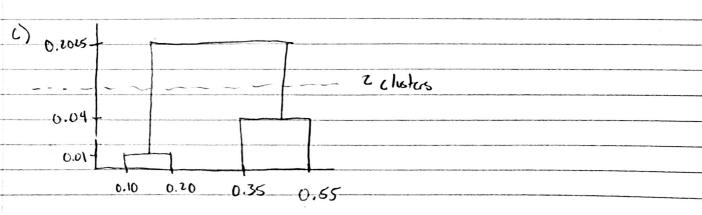
2	(i)	0.10	1 6.20	0.35	0.65
	0.10	0	0.01	0.0625	0.2025
	0.20	0.01	0	0.0225	0.1225
	0.35	0.0625	0.0225	0	0.04
	0.55	0.2025	0.1225	0.04	O



SSE = (0.10-0.217) + (0.20-0.217) + (0.35-0.217) + (0.55-0.55)

SSE = 0.032

1



SSE = (0.10-0.15)2+(0.20-0.15)2+(0.35-0.45)2+(0.55-0.45)2

SSE = 0.015

2 d) iler | 0.10 | 020 | 0.35 | 0.55 | A | B | 0.15 | 0.55 | 0.55 | D.15 | 0.55 | D.15 | 0.45 | D.15 | D.15

SSE = (0.10-0.15)2 + (0.20-0.15)2 + (0.35-0.45)2+ (0.55-0.45)2

SSE = 0.025

* the K-means and Max algorithm clustering produced the same clusters and share the lowest SSE value.

the min clusterny also had 3-point and 1-point clusters with a higher overall SSE

3) Abyo A ARI = (100) (10+15) - ((10+35)(10+40) + (40+15)(35+15)) (100)2 - ((10+35)(10+40) + (40+15)(35+15))

Aluso A ARI = 118750 = 6,00485

Also BARI = (100) (35+10) - ((35+40)(36+15) + (15+10)(40+10))

Ayo B ARI = 217760 = 0.00889

* * used adjusted random intex (ARI). Solution B has the higher ARI value of 0.00889 indicating a better solution.