Jσ	n t	a	rу	2	0	2 3
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	11	10	12	13	14
15	16	17	18	19	20	21
			25			
29	30	31		į.		

A Second

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বৃহস্পতিবার, ১২ মাঘ ১৪২৯ বাংলা ৩ রজব ১৪৪৪ হিজরি January 26

8.00	中岛	stens '		1 - 1			1 / 1	
9.00	中心	omplete	Linkag	- Agglo	mercativ	e Clust	ering.	
11.00	Eveli	d'an Di	stance	= -\(\(\pi\)	(2-2(1) For	two dir	nen sion	n dataset
12.00 Lunch	Evelid	ian Dis-	ance	= - (:	For or	re dima	ension	distanced.
2.00	Data	Set 8		2	3	4	5	
3.00			0	4	7	9	1	
4.00		2	4	0	3	5	3	
5.00		3	7	3	0	2	6	
6.00		4	9	る	2	0	8	
7.00		5		3	6	8	0	
Notes		comple e distan		0				
	110					-	maxs	4,33=4

ভক্রবার, ১৩ মাঘ ১৪২৯ বাংলা ৪ রজব ১৪৪৪ হিজরি J a n u a r y 2 0 2 3 8 9 11 10 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 24

9.00	0/21/11	;3)=m	ian {d	(3,1), d(3	3,5)			
10.0	$= \max\{24, 65 = 7\}$								
12.00		5}) ~~	max {	1//.1	7,21	4.5)?			
2.00		23) 2	max 1	0(4)	<i>37 G C</i>	112/5			
3 00	= max {0,8} =9								
5.00	1et - tho 13	of only	mn (tou	-) do:	- 0400	مالي مالي			
6.00	- 1100 1								
7.00	between	this 6	Plusten	and c	thon o	s strio	loo ha		
8 00							LIMV		
28 J	anuary, Saturday, 58					1.0	Lini		
9.00	the following distance matrix:								
10.00	(6,1	2	3	/1			
11.00			11						
12.00	3	1,5	0	4	7	.0			
2.00									
3 00	r	2	4		3	5			
5 00	1	3	7	3	\circ	2			
6.00									
7.00	10	4	9	b	2	0			
8.00									
Notes			•	1/20					
			1 1/		2337	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			
							-		

29 30 31
150m the above distance matrix, we can see the
distance between Points 3 and 4 is smallest
Hence they merge together to form a Cluster 33,43
12.00
Using the complete link, we have the distance bet
Using the complete link, we have the distance bet ween different points clusters as follows:
d({1,53, {3,43}) = max (d({1,53,3), d({1,5}),
4)3 = man {7,03 = 9
d(2, \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
=max {3153=5
Thus, we can update the distance meetries,
where trow 2 contresponds to point 2,
Motos 1 , and 3 connecesponds to clusters
21,53 and {3,43 ces follows:

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সোমবার, ১৬ মাঘ ১৪২৯ বাংলা ৭ রজব ১৪৪৪ হিজরি

Ja	n ı	Ja				
S 1 8 15 22	M 2 9 16 23	T 3 11 17	V 4 10 18	7 5 12	0 2 6	
29	30	24 31	25	26	20 2	

No.							29 30 31 26 27 26
8.00		1,5	2	3,4	-		
9.00	वंग	Ö	4	9			Town (the)
10.00	2	4	0	و			
11.00	3,4	9	5	0	7 77	11.	
12.00							
Lunch	Foll	own,	the so	eme pro	eedu ru	Liwl	merge
2.00	Po	int · 2	with .	the elo	ster {	1,53	to form
3.00	21	12,53	upda	te thu	e diste	nel 3	natrix
	as	-follor	- ۽ ڪس	_		1. 1.19	3.77
4.00			[15	1,2	L3,4	,]	
5.00		1,5 1,2	0		0)		
6.00				-			
7.00		3,4]	9	, ,	\bigcirc		1
	*	-,	1	7 3	,	- 1	
8.00							

January 5 M T W 1 2 3 4 January 379 11 10 12 13 16 17 18 19 20 21 মঙ্গলবার, ১৭ মাঘ ১৪২৯ বাংলা 23 24 25 26 27 ৮ রজব ১৪৪৪ হিজরি 30 31 After inervasing the distance throshold to 9. elusters would merge 10.00 above distance matrix i we draw 11.00 as follows dendrogram three 12.00 Lunch A 2.00 3.00 4.00 5.00 3 6.00 1 7.00 8.00

the stage

Notes