Nama: FADEL FAIS AFRIZAL

NIM : L200170076

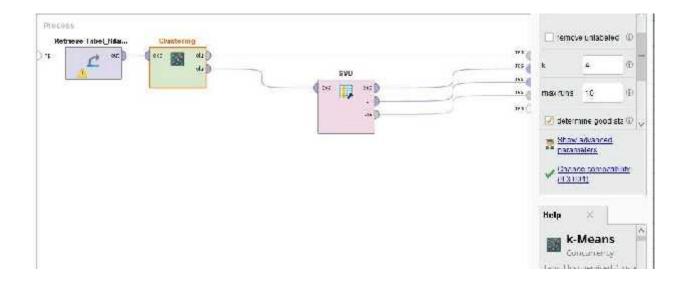
Kelas : C

TUGAS

Excel

A	A	В	С	D	E	F	G	Н
1	NO_SISWA	NAMA	B.IND	B.ING	MTK	IPA		
2	S-101	JOKO	8.52	9.63	8.39	9.47		
3	S-102	AGUS	6.33	6.43	8.77	6.66		al I
4	S-103	SUSI	6.29	9.15	7.56	6.28		
5	S-104	DYAH	5.24	9.84	5.21	9.92		
6	S-105	WATI	8.24	8.71	5.62	9.90		
7	S-106	IKA	8.39	6.36	8.20	5.68		
8	S-107	EKO	8.22	6.58	8.51	9.97		
9	S-108	YANTO	8.14	7.58	6.12	9.20		
10	S-109	WAWAN	9.01	6.00	7.18	6.77		
11	S-110	MAHMUD	8.18	9.66	7.12	9.21		
12	S-111	BUDI	8.01	7.77	8.34	7.19		
13	S-112	SANTI	6.39	7.24	6.62	9.10		
14	S-113	DIAN	5.83	5.20	8.01	7.90		
15	S-114	DANI	8.60	7.29	8.86	5.11		
16	S-115	AHMAD	6.19	9.43	6.70	6.74		
17	S-116	BAYU	9.39	7.56	9.11	5.70		
18	S-117	RISA	8.93	9.35	6.62	8.42		
19	S-118	RANI	8.04	6.34	5.80	5.23		
20	S-119	YANI	7.04	5.40	6.31	9.44		
21	S-120	RATIH	6.07	7.08	9.81	5.48		
22	S-121	INDAH	6.40	9.29	7.49	9.85		
23	S-122	JONO	8.59	6.77	7.34	8.74		
24	S-123	SARAH	5.93	6.33	7.60	7.62		
25	S-124	RAMA	7.96	10000	8.51			
26	S-125	BAMBANG	5.13		5.17	7.78		
27	S-126	HADI	7.02	6.78	7.43	9.51		
28	S-127	NANA	6.85		6.47	5.91		
29	S-128	FEBRI	9.68	6.39	6.66	8.03		
30	S-129	DENI	7.93	The state of the s	5.69	20123041230		
31	SC SUZUES	TONI	6.59	202015	5.63			

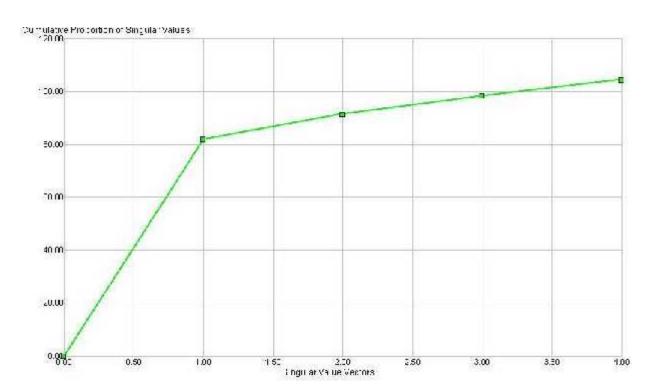
Design



SVD

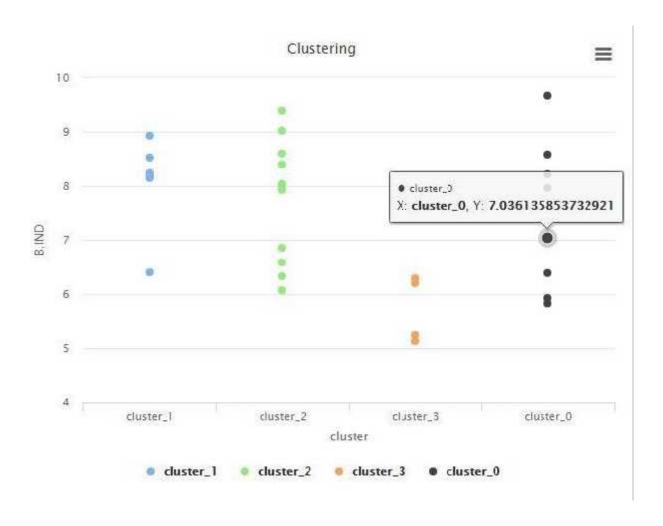
Component	Singular Value	Proportion of Singular V	Cumulative Singular Val	Cumulative Proportion o
3VD 1	82 021	0.785	82 021	0.789
SM1.2	9.404	0.090	91 425	0.075
SVID 3	7 541	0.067	98 466	0.042
SVD 4	6 0 1 2	0.058	101.478	1.000

Attribute	SVB Vector 1	SVU Vector 2	SVD Vector 3
п інэ	7.498	-0 440	-0.201
DINA	0.497	0.555	0.812
MIR	# 4 (O	-0.542	-1/ 0.30
II'A	0.521	U 545	-0.547

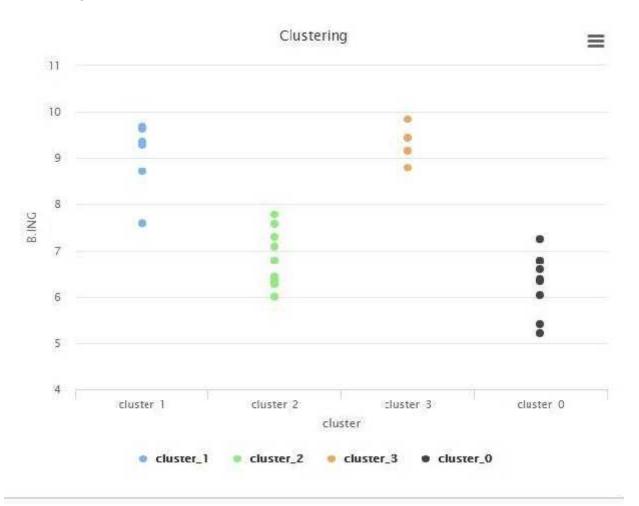


Example Set

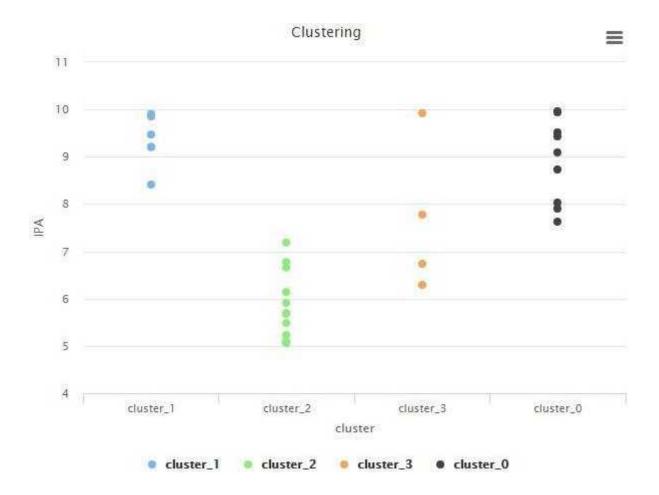
- B.indo



- B.ING







ExampleSet (SVD)

Row No.	NAMA	cluster	svd_1
1	JOKO	duster_1	0.220
2	AGUS	cluster_2	0.171
3	SUSI	cluster_3	0.178
4	DYAH	cluster_3	0.185
5	WATI	cluster_1	0,199
6	IKA	cluster_2	0.174
7	EKO	cluster_0	0.203
8	YANTO	duster_1	0.190
9	WAWAN	cluster_2	0.176
10	MAHMUD	cluster_1	0.209
11	BUDI	cluster_2	0.190
12	SANTI	cluster_0	0.179

Row No.	NAMA	cluster	svd_1
13	DIAN	cluster_0	0.164
14	DANI	cluster_2	0.181
15	AHMAD	cluster_3	0.177
16	BAYU	cluster_2	0.193
17	RISA	cluster_1	0.203
18	RANI	cluster_2	0.155
19	YANI	cluster_0	0.173
20	RATIH	cluster_2	0.172
21	INDAH	cluster_1	0.202
22	JONO	cluster_0	0.192
23	SARAH	cluster_0	0.168
24	RAMA	cluster_0	0.198

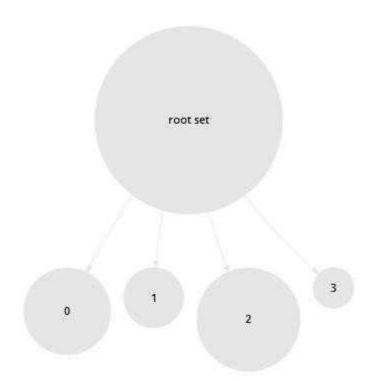
24	RAMA	cluster_0	0.198
25	BAMBANG	cluster_3	0.164
26	HADI	cluster_0	0.188
27	NANA	cluster_2	0.158
28	FEBRI	cluster_0	0.188
20	DENI	cluster_2	0.152
30	TONI	cluster_2	0.150

ExampleSet (30 examples, 2 special attributes, 1 regular attribute)

Cluster Model

Cluster 0: 9 items Cluster 1: 6 items Cluster 2: 11 items Cluster 3: 4 items

Total number of items: 30



K-Means (HASIL)

Row No.	NAMA	cluster 1	BIND	B.ING	MTK	IPA
7	EK0	custer_0	8.219	6 579	3.513	9.963
12	SANTI	custer_0	6386	7:241	5 619	9 093
13	HAN	cruster_0	5 829	5 199	3.013	7895
19	YANI	custer_0	7 036	5 404	5.306	9.439
22	JONO	caster_0	8 590	6 770	7.335	8.735
23	SARAH	cluster 0	5 934	6 333	7.598	7,620
24	RAMA	custer 0	7 902	6 029	3,510	9.941
26	HADI	c/uster_0	7 0 1 6	6 779	7.434	9.512
20	FEDRI	custer_0	9 602	6 385	6.657	8.031
1	JOKC	c uster_1	0.523	9 620	3,391	9.469
5	WATI	c uster_1	8 237	8 710	5.621	9.902
8	YANTO	c uster_1	8 142	7 579	3.119	9.203

Row No.	NAMA	cluster 🕆	BJND	B.ING	MTK	IPA
10	MAHMUD	cluster_1	0.104	9.657	7.124	9.210
17	R.SA	cluster_1	8.332	9.348	6.623	8.417
21	INDAH	cluster_1	6.397	9.286	7.491	0.851
2	AGUS	cluster_2	6.326	6.429	8.772	€.658
6	IKA	cluster_2	8.392	6.359	8.204	5.678
9	MAWAM	cluster_2	9.013	6.004	7.178	€.773
11	RUDI	cluster_2	8.010	7.766	8.342	7.186
14	DAN	duster_2	8 595	7.290	8 856	5 106
16	RAYU	cluster_2	9 393	7 557	9 112	5 701
18	RAN	cluster_2	8.039	6.341	5.803	5.229
20	RATIH	cluste _2	6.070	7.081	9.808	5.484
27	NANA	cluste: 2	6.353	6.786	6.471	5.910

29	DENI	clus.er_2	7.935	6.292	5,692	5.030
30	TON	duster 2	6.587	6.269	5.632	6.141
3	3U3	cluster_3	6.294	9.147	7.505	6.233
4	DYAH	cluster_3	5.240	9.838	5.206	9.919
15	CAMIJA	cluster_3	6.192	9.420	6.700	6.733
25	BAMBANC	plupter_3	5.129	8.788	5.167	7.775