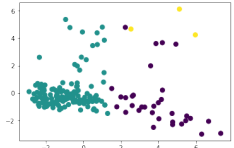
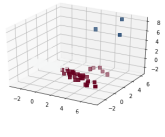
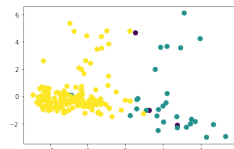
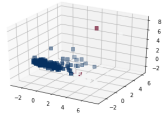
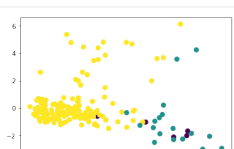
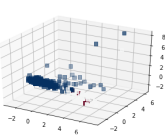
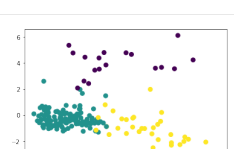
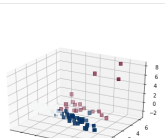

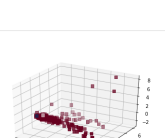
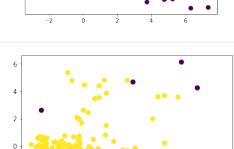
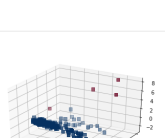
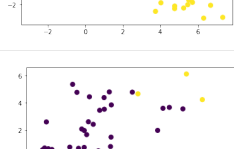
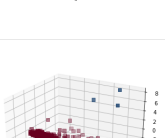
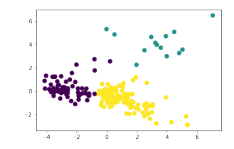
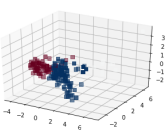
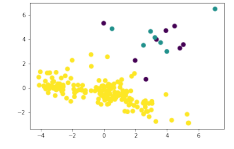
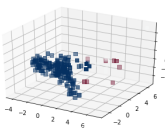
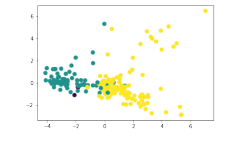
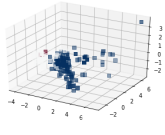
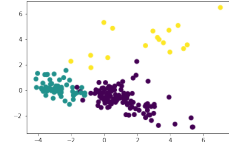
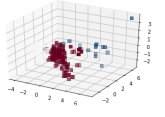
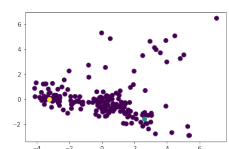
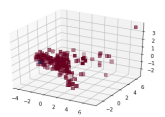
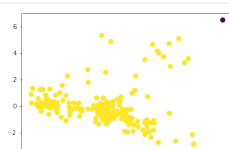
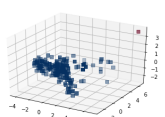
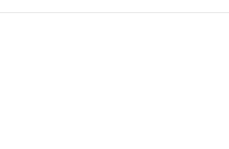

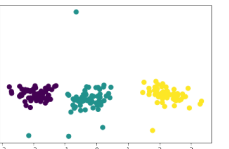
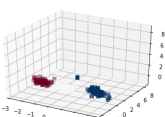
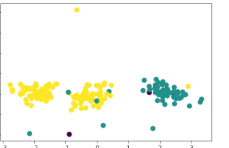
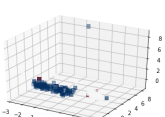
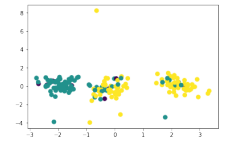
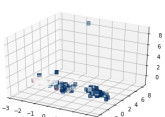
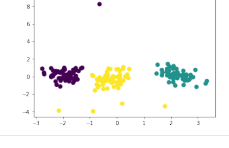
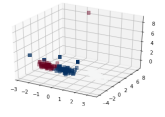
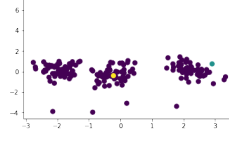
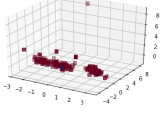
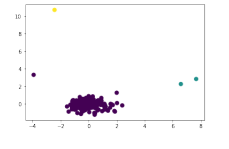
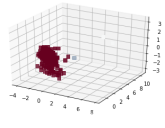
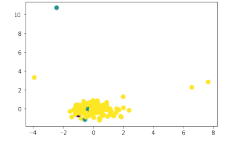
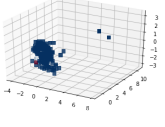
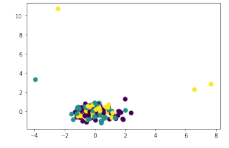
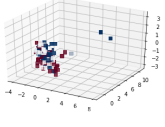
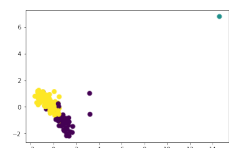
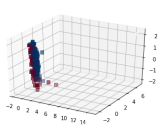
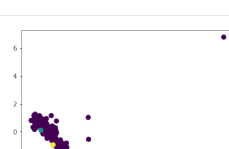
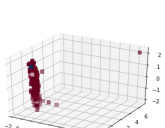
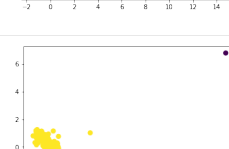
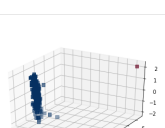
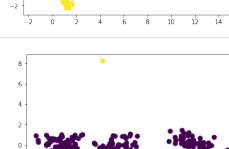
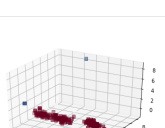
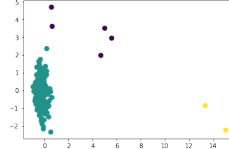
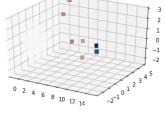
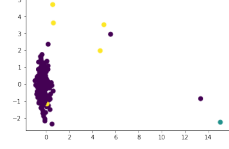
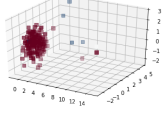
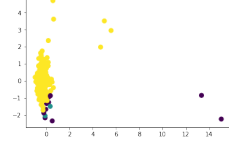
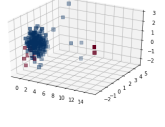
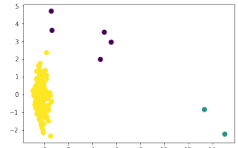
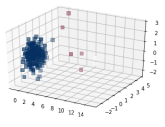
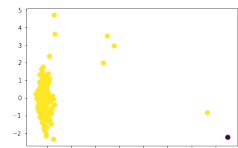
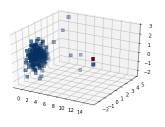
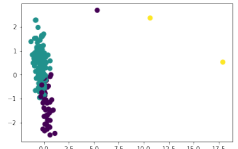
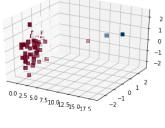
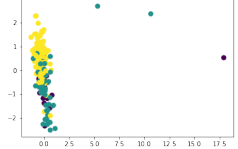
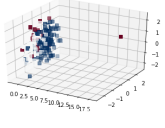
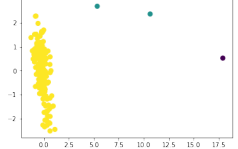
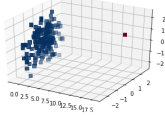
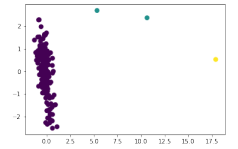
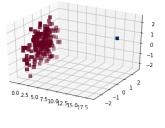
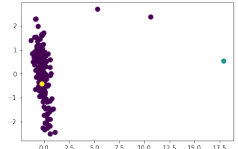
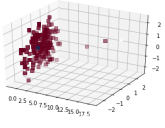
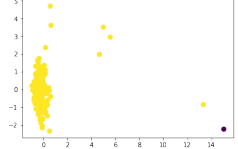
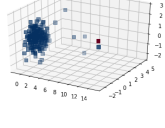
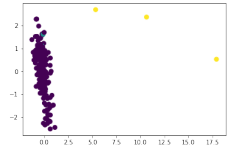
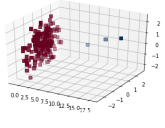
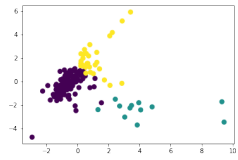
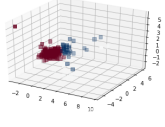
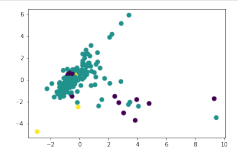
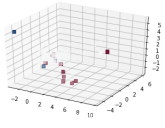
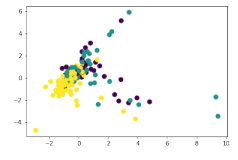
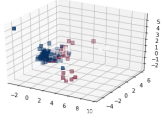
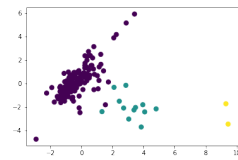
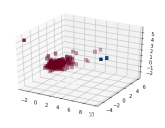
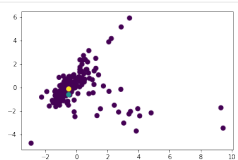
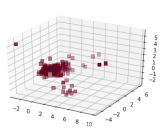
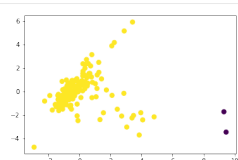
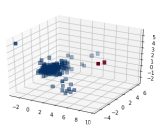
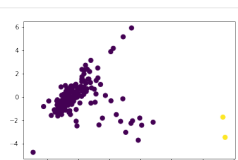
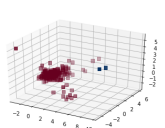
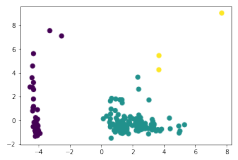
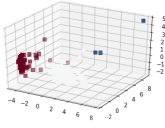
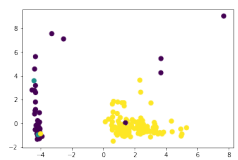
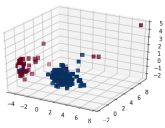
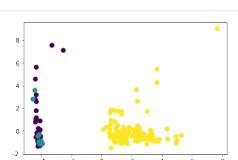
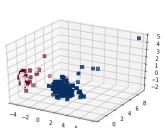


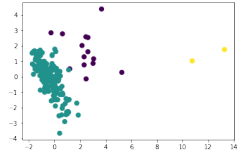
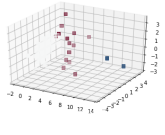
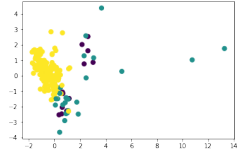
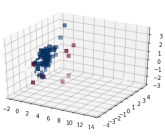
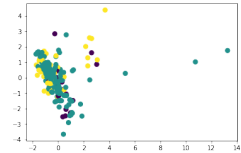
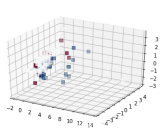
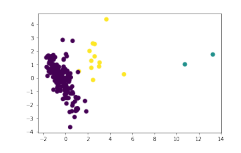
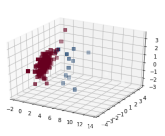
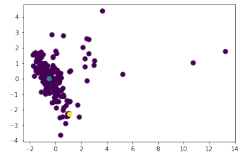
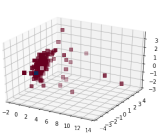

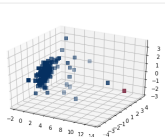
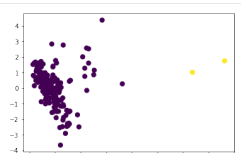
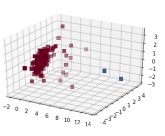
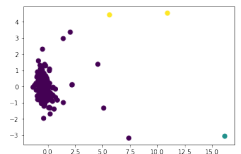
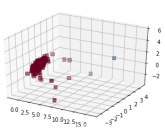
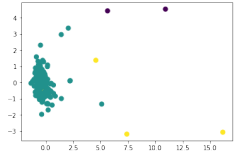
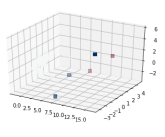
Subject [Name, Trial]	Clustering Algorithms	Silhouette Score	2D Scatter Plot	3D Scatter Plot	Rand_Index	Jaccard_Index	Fowlkes_mallows_index	Dunn_Index	Davies_Bouldien_index
[C,1]	Kmeans	0.2760934061			0.0340309652	0.2352941176	0.4943088305	0.3048445346	1.38562864
	PAM	0.2824031659			0.02934797517	0.3796791444	0.4943088305	0.2308772015	1.422634189
	CLARA	0.2083926221			0.02951523183	0.3048128342	0.4692918753	0.2752114151	1.625315987
	BIRCH	0.2433024595			0.03992046136	0.320855615	0.4543408587	0.305247293	12.25503836
	ROCK	0.4568454107			5.97E-05	0.342249893	0.5681310864	0.5740050794	0.9997025722
	DBSCAN	0.4685610064			0.04604065728	0.449197861	0.5618745398	0.6103334444	1.031153406
	HDBSCAN	0.4765022156			0.009170765952	0.3368983957	0.5648672135	0.7327672448	1.014946836
[C,2]	Kmeans	0.156196321			0.484743951	0.6848648649	0.6897542075	0.3105087133	1.864371179
	PAM	0.226717688			0.05169245526	0.2648648649	0.6897542075	0.2570029129	2.002236711
	CLARA	0.05744531045			-0.001128230627	0.3189189189	0.5136914087	0.2286556099	1.863542714

Subject [Name, Trial]	Clustering Algorithms	Silhouette Score	2D Scatter Plot	3D Scatter Plot	Rand_Index	Jaccard_Index	Fowlkes_mallows_index	Dunn_Index	Davies_Bouldien_index
	BIRCH	0.1481856877			0.1481856877	0.03783783784	0.6887189118	0.2794746022	6.398656
	ROCK	0.2897958206			1.92E-06	0.3351351351	0.5679974311	0.4094187252	1.00007534
	DBSCAN	0.5426510663			0.01043173978	0.3621621622	0.5710747228	0.929120953	1.00008736
	OPTICS	0.2884271104			0.04139907437	0.4054054054	0.5618106557	0.4549069114	1.01026861
[D,1]	Kmeans	0.08419995266			0.9838700403	0.9946524064	0.9891891892	0.3138310313	3.261868337
	PAM	0.1022845656			0.4799071624	0.0320855615	0.9891891892	0.3160239241	1.804648039
	CLARA	0.02862832573			0.5178941074	0.6844919786	0.7162098706	0.2948460975	2.029337223
	BIRCH	0.0820734381			0.9520024874	0.3368983957	0.9678319277	0.3414717052	26.66947927
	ROCK	0.3211174579			0.0002331422175	0.3422459893	0.568232035	0.7910427217	1.000106312

Subject [Name, Trial]	Clustering Algorithms	Silhouette Score	2D Scatter Plot	3D Scatter Plot	Rand_Index	Jaccard_Index	Fowlkes_mallows_index	Dunn_Index	Davies_Bouldien_index
[D, 3]	Kmeans	0.2521244517			-0.0002331455965	0.3405405405	0.5647650743	0.7110141788	0.9739125416
	PAM	0.05029845113			0.0685535304	0.372972973	0.5647650743	0.2417011061	2.117711346
	CLARA	0.2766054008			0.0001278649127	0.3243243243	0.5618979927	0.2412550989	2.209527479
	BIRCH	0.06281487165			0.2433283567	0.5513513514	0.5860309856	0.461831507	1.000170714
	ROCK	0.03049473488			1.92E-06	0.3297297297	0.5679974311	0.505471573	1.000062639
	DBSCAN	0.6549148337			0.04468735416	0.3351351351	0.571176006	1.612530713	0.9992189724
	OPTICS	0.2729681611			0.1139858537	0.3529411765	0.5618396878	0.5035020482	1.008565322
[I, 1]	Kmeans	0.4886587855			-0.0005692099956	0.3315508021	0.5525570391	0.5336633121	1.310174816
	PAM	0.3972560123			-0.0003910142325	0.3368983957	0.5525570391	0.1800613937	1.965409136
	CLARA	0.07175339242			-0.002630946644	0.3315508021	0.5041633817	0.159434661	2.491878917

Subject [Name, Trial]	Clustering Algorithms	Silhouette Score	2D Scatter Plot	3D Scatter Plot	Rand_Index	Jaccard_Index	Fowlkes_mallows_index	Dunn_Index	Davies_Bouldien_index
	BIRCH	0.488687855			0.0005692099956	0.3262032086	0.5525570391	0.5336633121	1.428482216
	ROCK	0.6840850524			0.0001137882441	0.3422459893	0.5680298694	0.8705297364	0.9998294475
	DBSCAN								
		0.7086800334			1.57E-05	0.3475935829	0.5711086447	1.022878924	0.9993221509
	OPTICS								
[1r,2]	Kmeans	0.07896511441			0.005339740706	0.3243243243	0.449081071	0.3050414072	2.630689487
	PAM	0.04813951167			0.004202955292	0.372972973	0.449081071	0.157154228	2.275842391
	CLARA	0.5451729981			0.007952253931	0.2864864865	0.4196791908	0.1537517571	1.924210917
	BIRCH	0.5451729981			0.0002331455965	0.3297297297	0.5647650743	0.9214803861	1.154678262
	ROCK	0.5946725641			0.0001753411847	0.3351351351	0.5678939896	0.8767683695	0.9999796191
	DBSCAN								
		0.7086800334			1.57E-05	0.3475935829	0.5711086447	1.022878924	0.9993221509
	OPTICS								
		0.2145681383			0.00326049345	0.3297297297	0.5584905006	0.3068463578	1.073822377

Subject [Name, Trial]	Clustering Algorithms	Silhouette Score	2D Scatter Plot	3D Scatter Plot	Rand_Index	Jaccard_Index	Fowlkes_mallows_index	Dunn_Index	Davies_Bouldien_index
[Su,1]	Kmeans	0.1189134521			0.02008214494	0.4117647059	0.4651073466	0.276289803	2.355199813
	PAM	0.2073837271			0.002880013232	0.3582887701	0.4651073466	0.2563199811	2.263383506
	CLARA	0.02088175965			NA	NA	NA	NA	NA
	BIRCH	0.2696585938			-0.001364992103	0.3315508021	0.5315433562	0.3661493367	1.097246862
	ROCK	0.5331757705			0.0002950319297	0.3315508021	0.5682323035	0.499320465	0.9999680845
	DBSCAN	0.5522679502			0.0322598233	0.3796791444	0.568013183	0.6916506969	1.011605774
	OPTICS	0.5522679502			0.001936212352	0.3636363636	0.568013183	0.6916506969	1.011605774
[Su,2]	Kmeans	0.3326639315			0.5587087908	0.3243243243	0.7602691639	0.449022293	1.196968866
	PAM	0.1871635007			0.4825667829	0.01081081081	0.7602691639	0.177723404	1.672586162
	CLARA	0.1871635007			NA	NA	NA	NA	NA

Subject [Name, Trial]	Clustering Algorithms	Silhouette Score	2D Scatter Plot	3D Scatter Plot	Rand_Index	Jaccard_Index	Fowlkes_mallows_index	Dunn_Index	Davies_Bouldien_index
[J, 2]	Kmeans	0.2518524588			-0.001650317608	0.3387096774	0.5254506681	0.344695131	1.747128364
	PAM	0.1157487229			0.002526231064	0.3494623656	0.5254506681	0.1928850964	2.110461418
	CLARA	-0.001339400424			NA	NA	NA	NA	NA
	BIRCH	0.2322370564			-0.001112939177	0.3279569892	0.531487543	0.3845277718	1.008644055
	ROCK	0.5762233978			0.0001212966715	0.3333333333	0.5681507041	0.8964115372	1.000310572
	DBSCAN	0.6446468482			0.03796918817	0.3494623656	0.5710730925	0.9150501274	0.9999986735
	OPTICS	0.6184750645			0.04112862599	0.3333333333	0.5679292094	0.9150501274	1.012164583
[In, 1]	Kmeans	0.6009013938			-0.0002331455965	0.3297297297	0.5647650743	0.6678615765	0.6986990314
	PAM	0.5360240083			0.0001390579509	0.3513513514	0.5647650743	0.1604817114	1.755088602

Subject [Name, Trial]	Clustering Algorithms	Silhouette Score	2D Scatter Plot	3D Scatter Plot	Rand_Index	Jaccard_Index	Fowlkes_mallows_index	Dunn_Index	Davies_Bouldien_index
	CLARA	0.5625993706			NA	NA	NA	NA	NA
	BIRCH	0.06546577314			0.108384754	0.2640540541	0.5044677966	0.2453928397	1.064333555
	ROCK	0.6590111052			1.92E-06	0.3351351351	0.5679974311	0.988866695	0.999889054
	DBSCAN	0.7268631809			0.006651983474	0.3621621622	0.5711776006	0.9024846322	0.9994656428
	OPTICS	0.09695284057			0.00892001455	0.02162162162	0.52131658	0.1665775434	na
[In, 2]	Kmeans	0.06775302378			0.1496994543	0.5351351351	0.5164714238	0.2417767185	2.495023983
	PAM	0.04430794363			0.1311858707	0.3243243243	0.5164714238	0.1955952114	2.421092514
	CLARA	-0.007220044813			0.08785511126	0.2702702703	0.4537356022	0.1836126404	1.984691083
	BIRCH	0.06546577314			0.108384754	0.2640540541	0.5044677966	0.2453928397	1.064333555
	ROCK	0.6478578516			1.92E-06	0.3351351351	0.5679974311	1.053568824	1.043245875

Subject (Name, Trial)	Index	No. of clusters, random state	Initial medoids (i, j, k)	No. of clusters, No. of iterations, maximum no. of neighbourhoods examined	Threshold	Branching Factor	Epoch, No. of clusters		Epoch, Minimum no. of neighbours		Minimum cluster size	
							Best	Best	DBSCAN	DBSCAN	K-Means	K-Means
[C-1]	Silhouette score	3.710	23 149 163	3, 1, 3	0.0474343801331575	56	1, 12, highest, da = 0.426845410726	epoch, ss = 7.6481327515, min_neighbours = 20, highest, ss = 0.466516004819	epoch, ss = 7.6481327515, min_neighbours = 20, highest, ss = 0.466516004819	1, ss = 2, highest, ss = 0.670620251558		
	Random Index	3.710	13 39 96	3, 1, 3	0.0474343801331575	56	1, 14, highest, ss = 0.9678687141405	epoch, ss = 4.21366647968, min_neighbours = 8, highest, ss = 0.02728491489	epoch, ss = 4.21366647968, min_neighbours = 8, highest, ss = 0.02728491489	1, 4, highest, ss = 0.307063951791		
	Jaccard Index	3.710	3 4 154 52	3, 1, 3	0.0474343801331575	56	1, 10, highest, ss = 0.542249989305	epoch, ss = 4.21366647968, min_neighbours = 8, highest, ss = 0.02728491489	epoch, ss = 4.21366647968, min_neighbours = 8, highest, ss = 0.02728491489	1, 3, highest, ss = 0.33089899722		
	Fouries Mallois Index	3.710	5 10 20 30	3, 1, 3	0.0474343801331575	56	1, 14, highest, da = 0.568133064939	epoch, ss = 7.6481327515, min_neighbours = 20, highest, ss = 0.56163307973	epoch, ss = 7.6481327515, min_neighbours = 20, highest, ss = 0.56163307973	1, 2, highest, ss = 0.56807214418		
	Dunn Index	3.710	3 4 59 14 90	3, 1, 3	0.0474343801331575	56	1, 10, highest, da = 0.5563277691	epoch, da = 7.6481327515, min_neighbours = 20, highest, da = 0.61033443429	epoch, da = 7.6481327515, min_neighbours = 20, highest, da = 0.61033443429	1, 3, highest, da = 0.57327424814		
[C-2]	Davies Bouldin Score	3.710	23 149 163	3, 1, 3	0.0474343801331575	56	1, 12, highest, da = 1.0006383432	epoch, da = 7.6481327515, min_neighbours = 20, highest, da = 1.031134308	epoch, da = 7.6481327515, min_neighbours = 20, highest, da = 1.031134308	1, da = 2, highest, da = 1.0008952228		
	Silhouette score	3.81	3 4 172 20	3, 1, 3	0.10886867235437	17	1, 10, highest, ss = 0.2097952062	epoch, ss = 11.085224826, min_neighbours = 12, highest, ss = 0.526166206296	epoch, ss = 11.085224826, min_neighbours = 12, highest, ss = 0.526166206296	1, ss = 2, highest, ss = 0.20824734818		
	Random Index	3.88	3 5 11 106 9	3, 1, 3	0.10886867235437	17	1, 10, highest, ss = 0.9162971007606	epoch, ss = 5.08771590862, min_neighbours = 17, highest, ss = 0.030713483947	epoch, ss = 5.08771590862, min_neighbours = 17, highest, ss = 0.030713483947	1, 3, highest, ss = 0.04139907461		
	Jaccard Index	3.88	3 5	5 2 39, 3, 1, 3	0.10886867235437	17	1, 10, highest, ss = 0.335135135135	epoch, ss = 5.093707139, min_neighbours = 19, highest, ss = 0.362142162142	epoch, ss = 5.093707139, min_neighbours = 19, highest, ss = 0.362142162142	1, 3, highest, ss = 0.40485040485		
	Fouries Mallois Index	3.88	3 5 11 106 9	3, 1, 3	0.10886867235437	17	1, 10, highest, ss = 0.567997431084	epoch, ss = 11.085224826, min_neighbours = 12, highest, ss = 0.57104727283	epoch, ss = 11.085224826, min_neighbours = 12, highest, ss = 0.57104727283	1, 2, highest, ss = 0.56181605779		
[D-1]	Dunn Index	3.0	4 172 30	3, 1, 3	0.10886867235437	17	1, 10, highest, da = 0.4094125202	epoch, da = 11.085224826, min_neighbours = 12, highest, da = 0.49291209298	epoch, da = 11.085224826, min_neighbours = 12, highest, da = 0.49291209298	1, da = 2, highest, da = 0.4586991392		
	Davies Bouldin Score	3.81	3 2 1 06 158	3, 1, 3	0.10886867235437	17	1, 14, highest, da = 1.0000713404	epoch, da = 11.085224826, min_neighbours = 12, highest, da = 1.0000873592	epoch, da = 11.085224826, min_neighbours = 12, highest, da = 1.0000873592	1, da = 2, highest, da = 1.0022668079		
	Silhouette score	3.88	26 20 108	3, 1, 3	0.78428740686971	80	1, 10, highest, ss = 0.44983814915	epoch, ss = 9.2329287472, min_neighbours = 4, highest, ss = 0.548610219250	epoch, ss = 9.2329287472, min_neighbours = 4, highest, ss = 0.548610219250	1, ss = 2, highest, ss = 0.69422762936		
	Random Index	3.88	26 20 108	3, 1, 3	0.78428740686971	80	1, 10, highest, ss = 0.00002129671509	epoch, ss = 4.7787840424, min_neighbours = 19, highest, ss = 0.0021085028417	epoch, ss = 4.7787840424, min_neighbours = 19, highest, ss = 0.0021085028417	1, 2, highest, ss = 0.0001277039192		
	Jaccard Index	3.88	25 25 60	3, 1, 3	0.78428740686971	80	1, 14, highest, ss = 0.3275689247	epoch, ss = 6.0405067597, min_neighbours = 17, highest, ss = 0.3275689247	epoch, ss = 6.0405067597, min_neighbours = 17, highest, ss = 0.3275689247	1, 3, highest, ss = 0.33333333333		
[D-2]	Fouries Mallois Index	3.88	26 20 108	3, 1, 3	0.78428740686971	80	1, 10, highest, ss = 0.58150704069	epoch, ss = 9.2329287472, min_neighbours = 4, highest, ss = 0.57104727283	epoch, ss = 9.2329287472, min_neighbours = 4, highest, ss = 0.57104727283	1, 2, highest, ss = 0.56807426756		
	Dunn Index	3.204	3 11 122 34	3, 1, 3	0.78428740686971	80	1, 10, highest, da = 0.5460465458	epoch, da = 9.8292857472, min_neighbours = 4, highest, da = 0.8231424249	epoch, da = 9.8292857472, min_neighbours = 4, highest, da = 0.8231424249	1, da = 2, highest, da = 0.8202465458		
	Davies Bouldin Score	3.204	3 144 105	3, 1, 3	0.78428740686971	80	1, 14, highest, da = 0.9944213336	epoch, da = 9.8292857472, min_neighbours = 4, highest, da = 0.9881373484	epoch, da = 9.8292857472, min_neighbours = 4, highest, da = 0.9881373484	1, da = 2, highest, da = 1.00004174796		
	Silhouette score	3.204	3 11 815 80	3, 1, 3	0.597808654861	44	1, 10, highest, ss = 0.03494748849	epoch, ss = 14.743793886, min_neighbours = 18, highest, ss = 0.049173662085	epoch, ss = 14.743793886, min_neighbours = 18, highest, ss = 0.049173662085	1, ss = 2, highest, ss = 0.010473662085		
	Random Index	3.204	35 117 167	3, 1, 3	0.597808654861	44	1, 10, highest, ss = 0.9162971007606	epoch, ss = 4.937086159, min_neighbours = 15, highest, ss = 0.084703279986	epoch, ss = 4.937086159, min_neighbours = 15, highest, ss = 0.084703279986	1, 2, highest, ss = 0.06027112288		
[E-1]	Jaccard Index	3.229	33 162 62	3, 1, 3	0.597808654861	44	1, 10, highest, ss = 0.329729273	epoch, ss = 6.4048971978, min_neighbours = 16, highest, ss = 0.3405405404	epoch, ss = 6.4048971978, min_neighbours = 16, highest, ss = 0.3405405404	1, 4, highest, ss = 0.3515151515		
	Fouries Mallois Index	3.910	4 32 108	3, 1, 3	0.597808654861	44	1, 10, highest, ss = 0.567997431084	epoch, ss = 14.743793886, min_neighbours = 18, highest, ss = 0.57117760959	epoch, ss = 14.743793886, min_neighbours = 18, highest, ss = 0.57117760959	1, 2, highest, ss = 0.509100814168		
	Dunn Index	3.910	3 11 815 80	3, 1, 3	0.597808654861	44	1, 10, highest, da = 0.8247157932	epoch, da = 14.743793886, min_neighbours = 18, highest, da = 1.6125107135	epoch, da = 14.743793886, min_neighbours = 18, highest, da = 1.6125107135	1, da = 2, highest, da = 0.23012923093		
	Davies Bouldin Score	3.924	4 32 108	3, 1, 3	0.597808654861	44	1, 10, highest, da = 1.0000620399	epoch, da = 14.743793886, min_neighbours = 18, highest, da = 0.99921972006	epoch, da = 14.743793886, min_neighbours = 18, highest, da = 0.99921972006	1, 3, highest, da = 1.07292156416		
	Silhouette score	3.280	27 140 25	3, 1, 3	0.95500141598497	37	1, 10, highest, ss = 0.6590110132	epoch, ss = 13.1662140446, min_neighbours = 19, highest, ss = 0.72861810917	epoch, ss = 13.1662140446, min_neighbours = 19, highest, ss = 0.72861810917	1, ss = 2, highest, ss = 0.696923849726		
[E-2]	Random Index	3.308	22 27 39	3, 1, 3	0.95500141598497	37	1, 10, highest, ss = 0.9162971007606	epoch, ss = 3.978158081, min_neighbours = 17, highest, ss = 0.008360759132	epoch, ss = 3.978158081, min_neighbours = 17, highest, ss = 0.008360759132	1, 2, highest, ss = 0.10407754816		
	Jaccard Index	3.342	17 91 44	3, 1, 3	0.95500141598497	37	1, 10, highest, ss = 0.3515151515	epoch, ss = 1.625491749, min_neighbours = 19, highest, ss = 0.3729729729	epoch, ss = 1.625491749, min_neighbours = 19, highest, ss = 0.3729729729	1, 1, 3, highest, ss = 0.02362162162		
	Fouries Mallois Index	3.280	105 109 129	3, 1, 3	0.95500141598497	37	1, 10, highest, ss = 0.567997431084	epoch, ss = 13.1662140446, min_neighbours = 19, highest, ss = 0.57117760959	epoch, ss = 13.1662140446, min_neighbours = 19, highest, ss = 0.57117760959	1, 4, highest, ss = 0.52113619299		
	Dunn Index	3.280	105 109 129	3, 1, 3	0.95500141598497	37	1, 10, highest, da = 0.9883698989	epoch, da = 13.1662140446, min_neighbours = 19, highest, da = 0.98246642203	epoch, da = 13.1662140446, min_neighbours = 19, highest, da = 0.98246642203	1, da = 2, highest, da = 0.16857754816		
	Davies Bouldin Score	3.280	6 60 95	3, 1, 3	0.95500141598497	37	1, 10, highest, da = 0.9998905975	epoch, da = 13.1662140446, min_neighbours = 19, highest, da = 0.99946425439	epoch, da = 13.1662140446, min_neighbours = 19, highest, da = 0.99946425439	1, da = 4, highest, da = 3.546525609		
[F-1]	Silhouette score	3.8	5 178 173	3, 1, 3	0.78186847912798	66	1, 14, highest, ss = 0.64785781637	epoch, ss = 12.56960902, min_neighbours = 13, highest, ss = 0.674324810591	epoch, ss = 12.56960902, min_neighbours = 13, highest, ss = 0.674324810591	1, ss = 2, highest, ss = 0.7218188929		
	Random Index	3.359	18 17 80	3, 1, 3	0.78186847912798	66	1, 14, highest, ss = 0.9162971007606	epoch, ss = 3.6836667411, min_neighbours = 7, highest, ss = 0.013399909474	epoch, ss = 3.6836667411, min_neighbours = 7, highest, ss = 0.013399909474	1, 2, highest, ss = 0.49144586845		
	Jaccard Index	3.359	5 178 173	3, 1, 3	0.78186847912798	66	1, 10, highest, ss = 0.3515151515	epoch, ss = 12.56960902, min_neighbours = 13, highest, ss = 0.371321373	epoch, ss = 12.56960902, min_neighbours = 13, highest, ss = 0.371321373	1, 3, highest, ss = 0.3783787879		
	Fouries Mallois Index	3.359	18 17 80	3, 1, 3	0.78186847912798	66	1, 14, highest, ss = 0.567997431084	epoch, ss = 12.56960902, min_neighbours = 13, highest, ss = 0.57104727283	epoch, ss = 12.56960902, min_neighbours = 13, highest, ss = 0.57104727283	1, 2, highest, ss = 0.5584686282		
	Dunn Index	3.0	10 128 70	3, 1, 3	0.78186847912798	66	1, 10, highest, da = 1.0535682895	epoch, da = 12.56960902, min_neighbours = 13, highest, da = 0.87776604359	epoch, da = 12.56960902, min_neighbours = 13, highest, da = 0.87776604359	1, da = 2, highest, da = 0.5558468295		
[F-2]	Davies Bouldin Score	3.61	10 128 70	3, 1, 3	0.78186847912798	66	1, 10, highest, da = 1.0424286641	epoch, da = 12.56960902, min_neighbours = 13, highest, da = 0.9898291801	epoch, da = 12.56960902, min_neighbours = 13, highest, da = 0.9898291801	1, da = 3, highest, da = 1.03072818158		
	Silhouette score	3.9	9 107 135	3, 1, 3	0.85835536870134	30	1, 10, highest, ss = 0.6480852565	epoch, ss = 13.328087692, min_neighbours = 10, highest, ss = 0.78680031405	epoch, ss = 13.328087692, min_neighbours = 10, highest, ss = 0.78680031405	1, ss = 2, highest, ss = 0.48020773712		
	Random Index	3.471	14 7 66	3, 1, 3	0.85835536870134	30	1, 10, highest, ss = 0.0001378244097	epoch, ss = 1.07791320016, min_neighbours = 9, highest, ss = 0.0019949756449	epoch, ss = 1.07791320016, min_neighbours = 9, highest, ss = 0.0019949756449	1, 3, highest, ss = 0.006592997601		
	Jaccard Index	3.471	14 7 66	3, 1, 3	0.85835536870134	30	1, 10, highest, ss = 0.9468299428	epoch, ss = 1.07791320016, min_neighbours = 9, highest, ss = 0.3479532888	epoch, ss = 1.07791320016, min_neighbours = 9, highest, ss = 0.3479532888	1, 4, highest, ss = 0.5551210018		
	Fouries Mallois Index	3.471	14 7 66	3, 1, 3	0.85835536870134	30	1, 10, highest, da = 0.87676366481	epoch, da = 11.7999179028, min_neighbours = 13, highest, da = 0.865301565	epoch, da = 11.7999179028, min_neighbours = 13, highest, da = 0.865301565	1, 2, highest, da = 0.30684635789		
[G-1]	Dunn Index	3.967	81 110 22	3, 1, 3	0.03300578787447	46	1, 10, highest, da = 0.99979619055	epoch, da = 11.7999179028, min_neighbours = 13, highest, da = 0.99961802749	epoch, da = 11.7999179028, min_neighbours = 13, highest, da = 0.99961802749	1, da = 3, highest, da = 1.07823274556		
	Silhouette score	3.967	3 15 47 5 146	3, 1, 3	0.484661721020398	95	1, 10, highest, ss = 0.45351186994	epoch, ss = 10.203681441, min_neighbours = 14, highest, ss = 0.51237516526	epoch, ss = 10.203681441, min_neighbours = 14, highest, ss = 0.51237516526	1, 2, highest, ss = 0.25013196499		
	Random Index	3.967	3 15 47 5 146	3, 1, 3	0.484661721020398	95	1, 12, highest, ss = 0.9162971007606	epoch, ss = 5.302080339, min_neighbours = 14, highest, ss = 0.01217049173	epoch, ss = 5.302080339, min_neighbours = 14, highest, ss = 0.01217049173	1, 3, highest, ss = 0.29262677567		
	Jaccard Index	3.967	3 20 112 147	3, 1, 3	0.484661721020398	95	1, 10, highest, ss = 0.3515151515	epoch, ss = 8.7236781992, min_neighbours = 8, highest, ss = 0.3515151515	epoch, ss = 8.7236781992, min_neighbours = 8, highest, ss = 0.3515151515	1, 5, highest, ss = 0.58918918919		
	Fouries Mallois Index	3.967	3 20 112 147	3, 1, 3	0.484661721020398	95	1, 12, highest, ss = 0.567997431084	epoch, ss = 10.203681441, min_neighbours = 14, highest, ss = 0.57104727283	epoch, ss = 10.203681441, min_neighbours = 14, highest, ss = 0.57104727283	1, 3, highest, ss = 0.54691712879		
[G-2]	Dunn Index	3.128	138 17 128	3, 1, 3	0.484661721020398	95	1, 10, highest, da = 0.74125568297	epoch, da = 10.203681441, min_neighbours = 14, highest, da = 0.75434843757	epoch, da = 10.203681441, min_neighbours = 14, highest, da = 0.75434843757	1, da = 2, highest, da = 0.42862361787		
	Davies Bouldin Score	3.128	3 20 112 147	3, 1, 3	0.484661721020398	95	1, 12, highest, da = 0.99979670299	epoch, da = 10.203681441, min_neighbours = 14, highest, da = 0.99923417496	epoch, da = 10.203681441, min_neighbours = 14, highest, da = 0.99923417496	1, da = 5, highest, da = 1.07799138582		