ESCUELA POLITÉCNICA NACIONAL

REDES NEURONALES

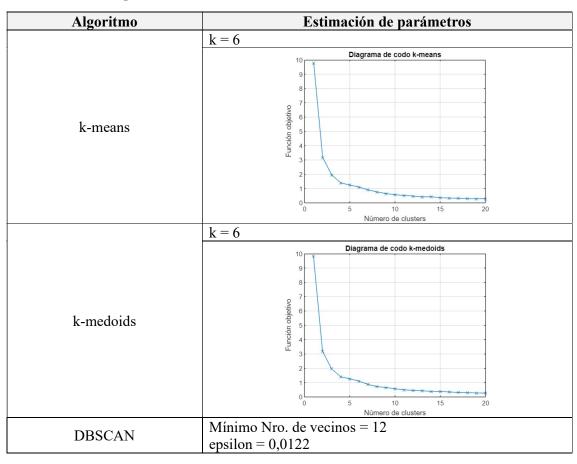
TAREA 9
(PARTE 1: Datasets 6 a 8)

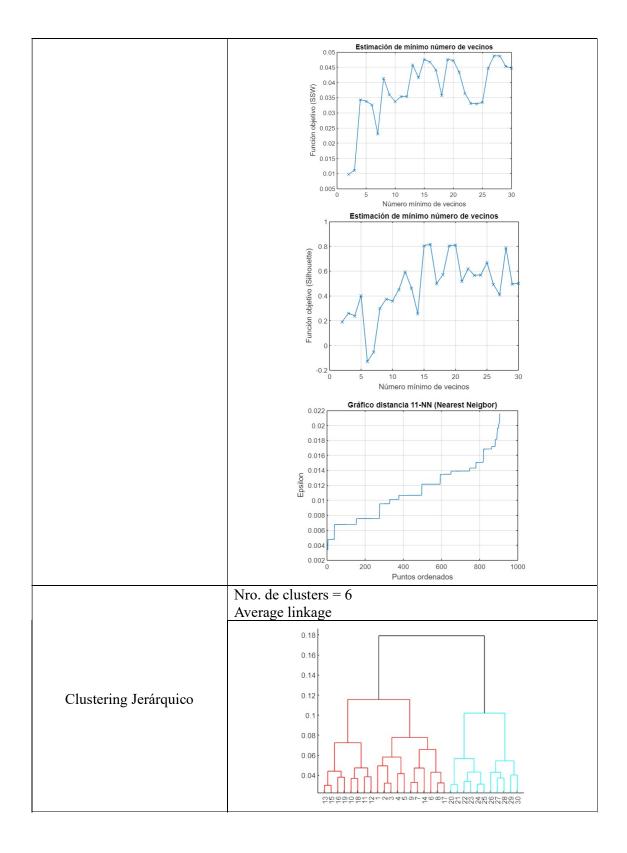


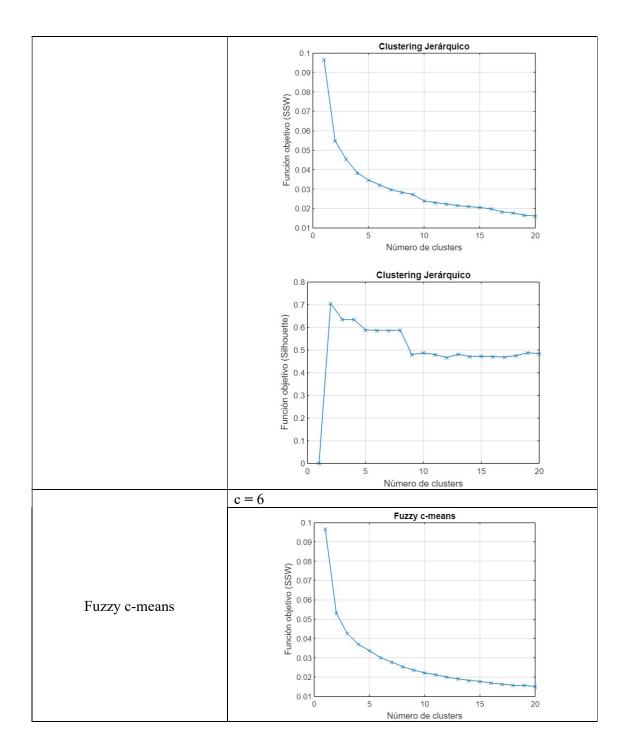
David Fabián Cevallos Salas 2023-08-29

6. Dataset Ds3c3sc6

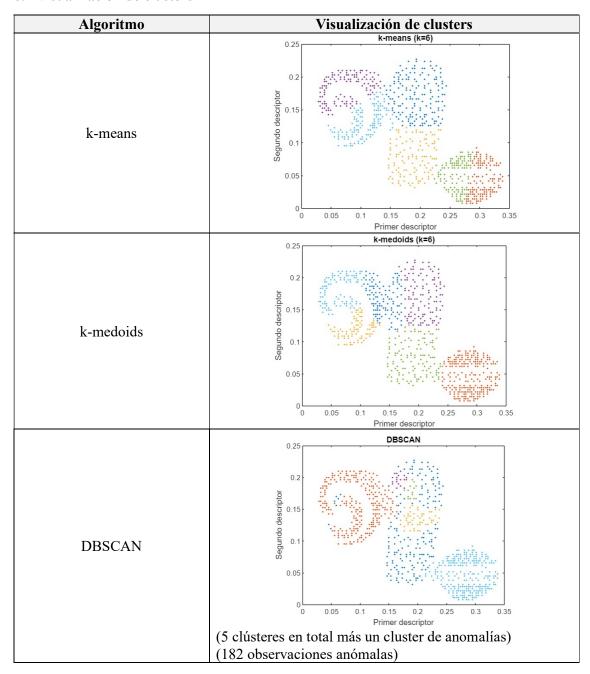
6.1 Estimación de parámetros

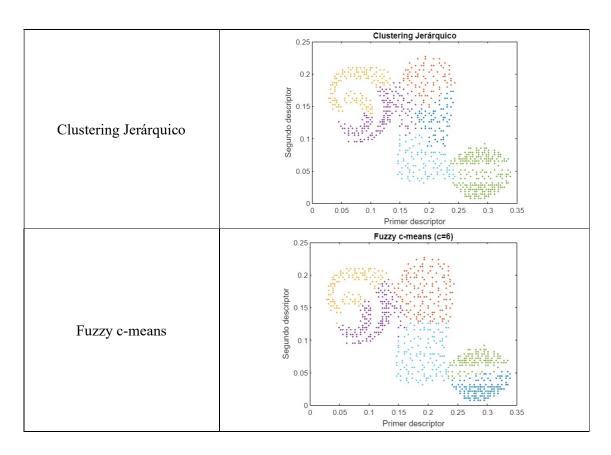






6.2 Visualización de clusters



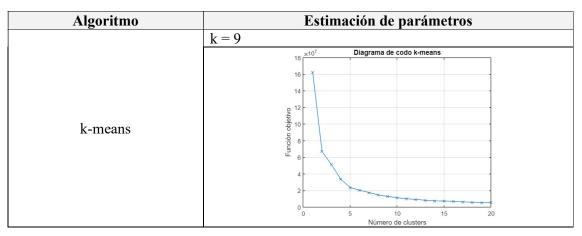


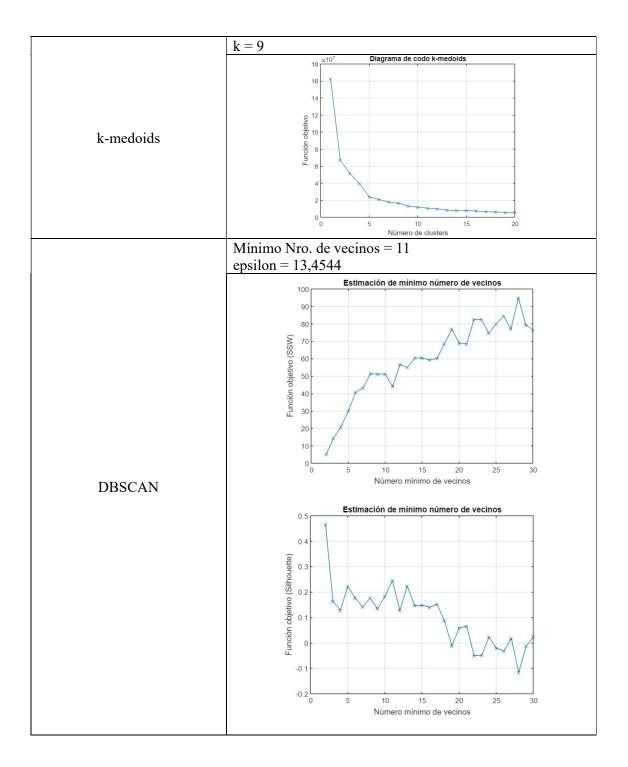
6.3 Métricas

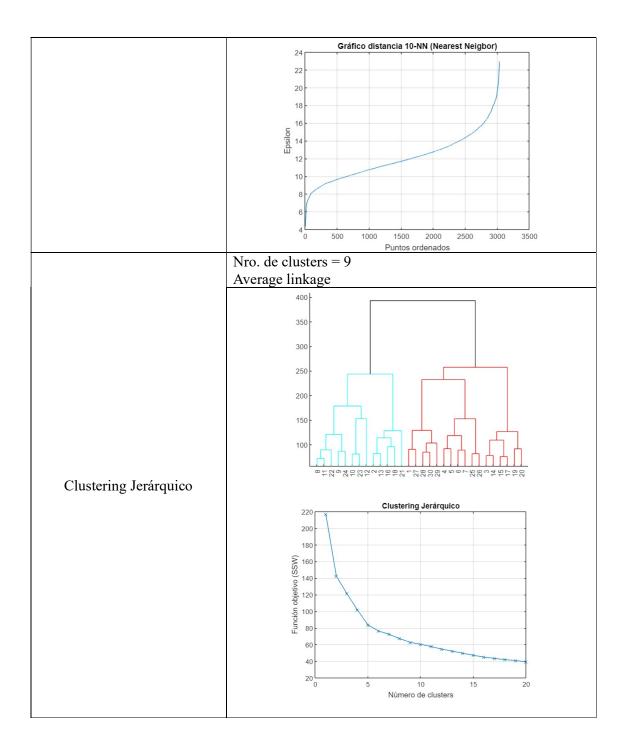
	k-means	k-medoids	DBSCAN	Clustering Jerárquico	Fuzzy c-means
SSW	0,0307	0,0308	0,0354	0,0320	0,0299
SSB	0,0922	0,0927	0,1014	0,0924	0,0920
WB-index	1,9949	1,9896	1,7432	2,0761	1,9534
Silhouette	0,5302	0,6343	0,5936	0,5851	0,5534

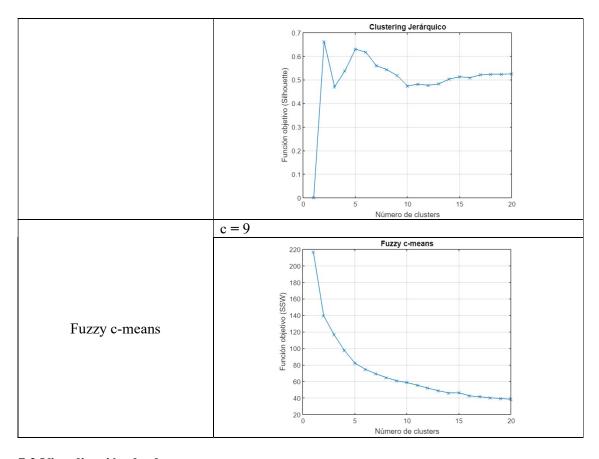
7. Dataset Complex9

7.1 Estimación de parámetros

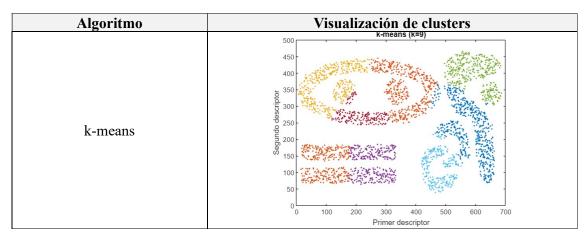


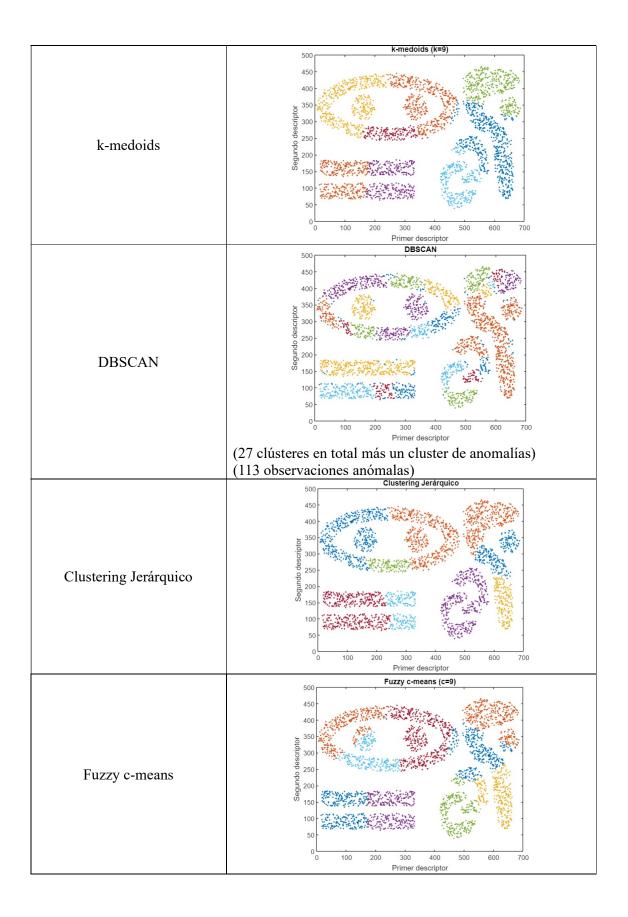






7.2 Visualización de clusters



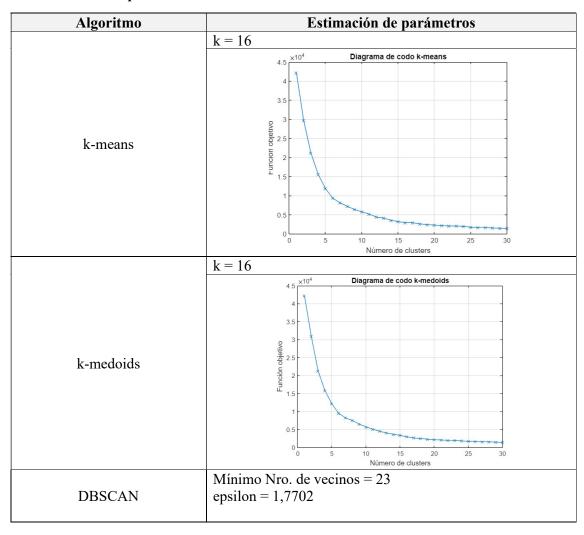


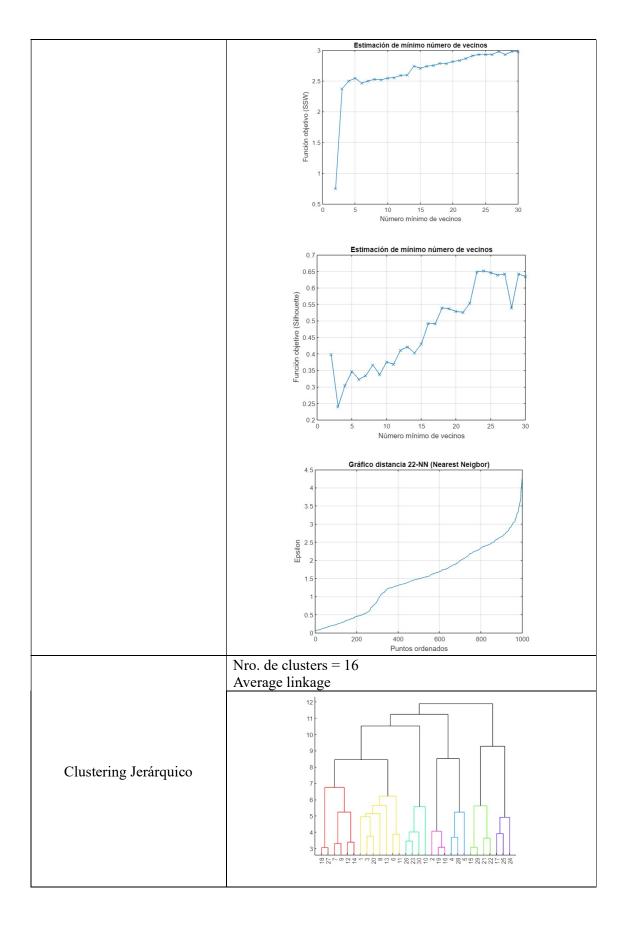
7.3 Métricas

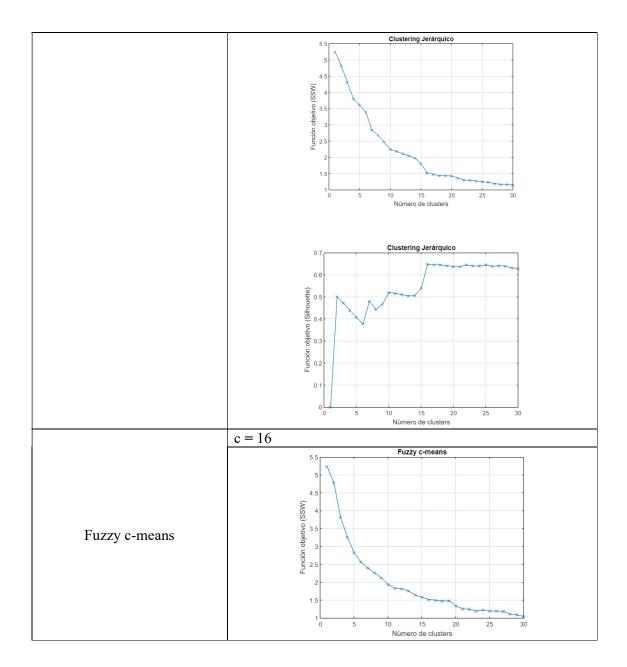
	k-means	k-medoids	DBSCAN	Clustering Jerárquico	Fuzzy c-means
SSW	60,4643	60,5320	43,9858	62,7905	60,4357
SSB	210,8405	210,8772	213,1166	210,0179	210,4528
WB-index	2,5810	2,5834	5,5726	2,6908	2,5845
Silhouette	0,5861	0,5831	0,2452	0,5179	0,5785

8. Dataset Rings

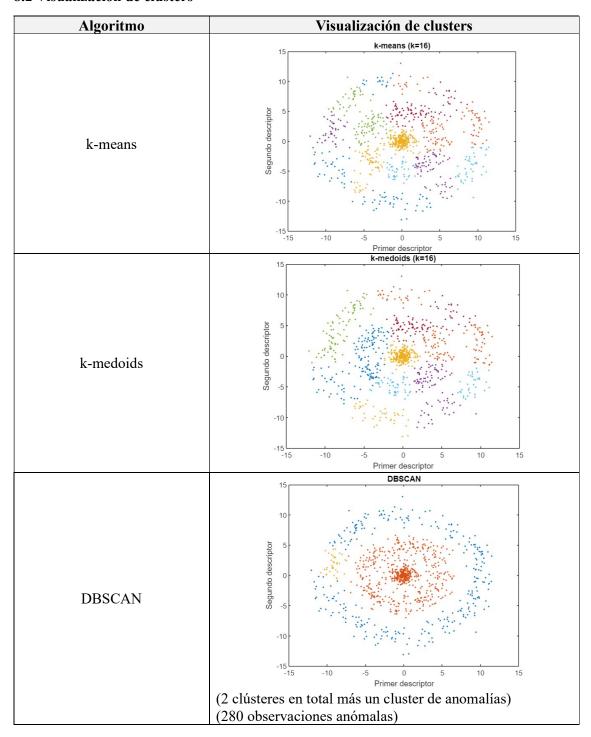
8.1 Estimación de parámetros

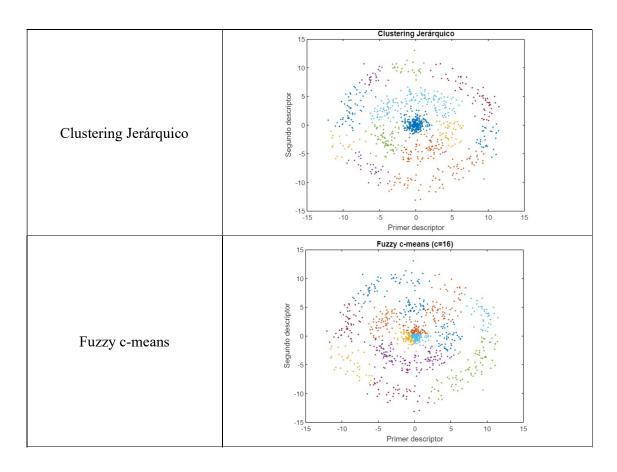






8.2 Visualización de clusters





8.3 Métricas

	k-means	k-medoids	DBSCAN	Clustering Jerárquico	Fuzzy c-means
SSW	1,5138	1,4227	2,9111	1,5165	1,4939
SSB	4,8630	4,8784	0,8809	4,8486	5,0273
WB-index	4,9807	4,6661	6,6095	5,0043	4,7546
Silhouette	0,6476	0,6948	0,6484	0,6471	0,5016