ESCUELA POLITÉCNICA NACIONAL

REDES NEURONALES

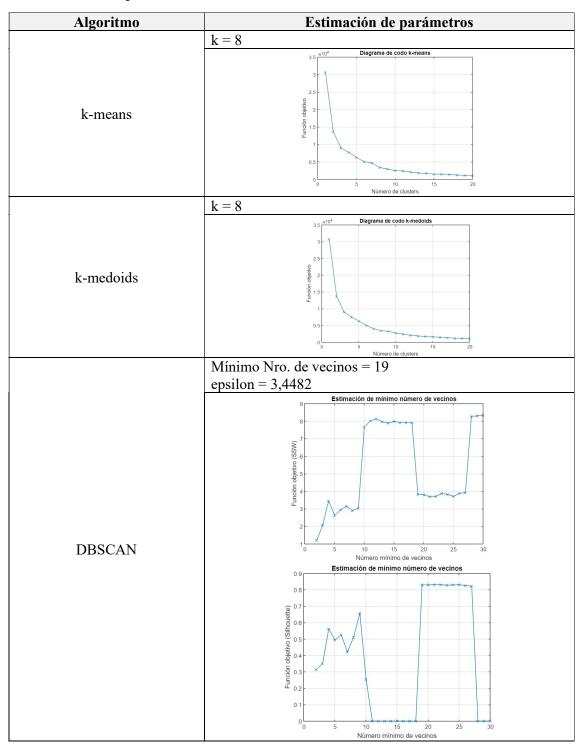
TAREA 9
(PARTE 1: Datasets 1 a 5)

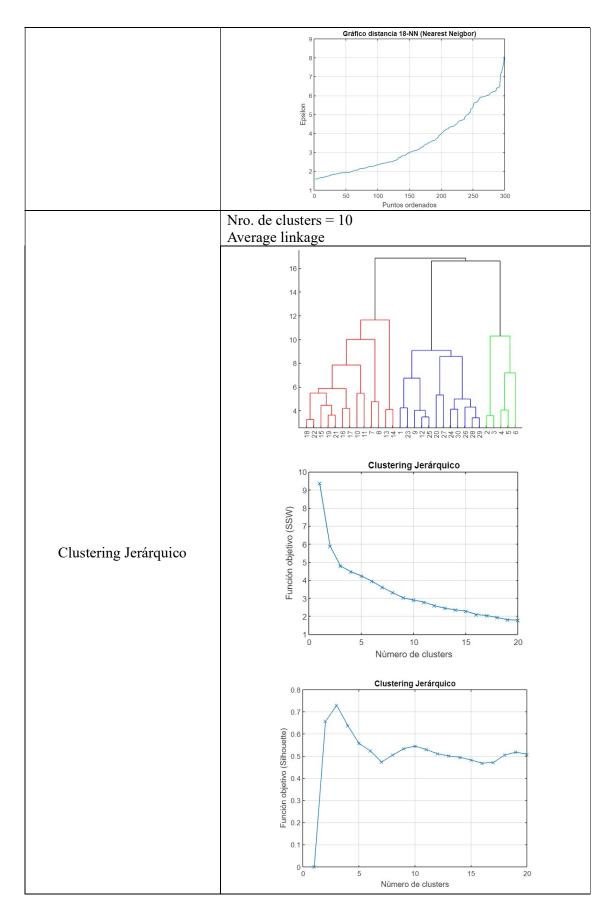


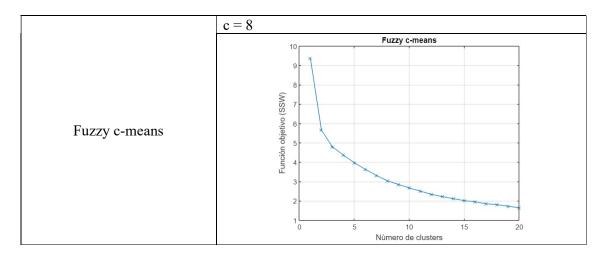
David Fabián Cevallos Salas 2023-08-29

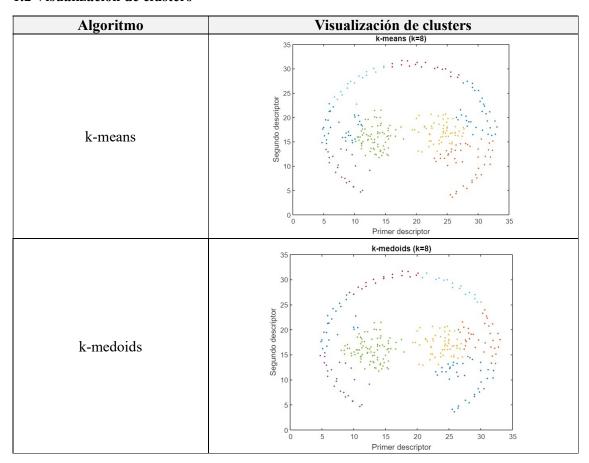
APRENDIZAJE NO SUPERVISADO

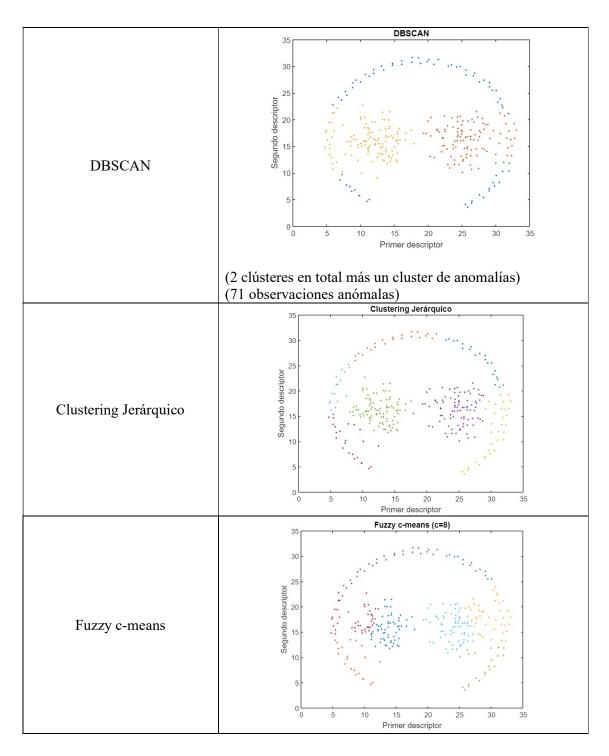
1. Dataset Path-Based1





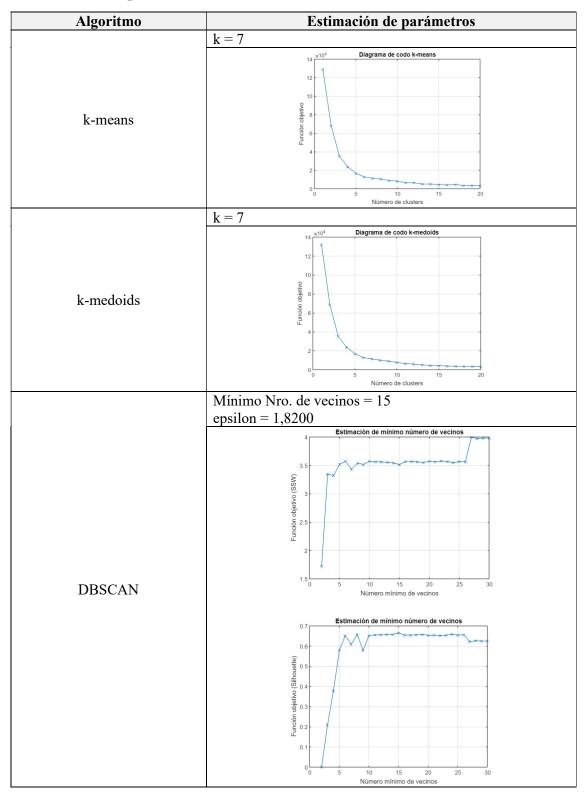


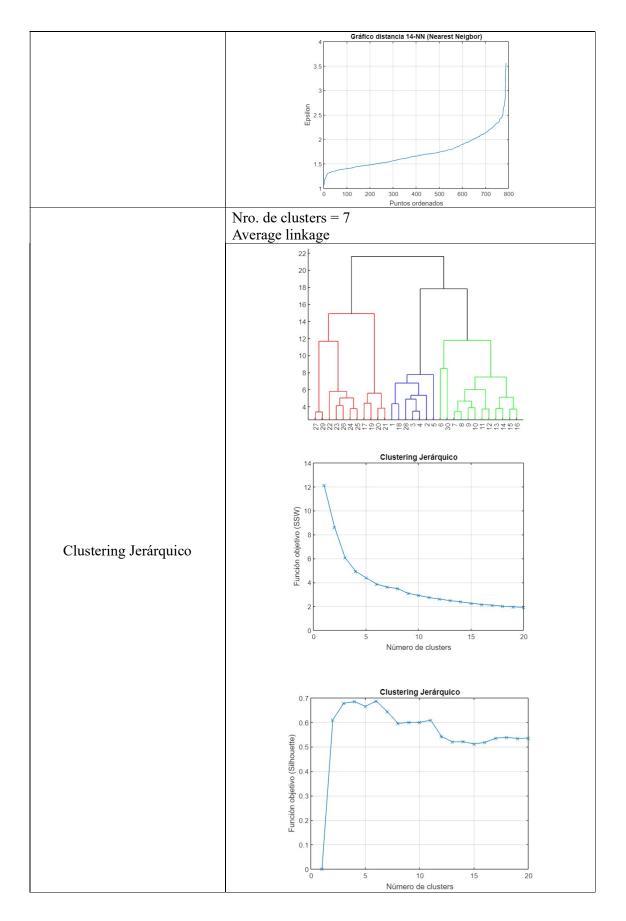


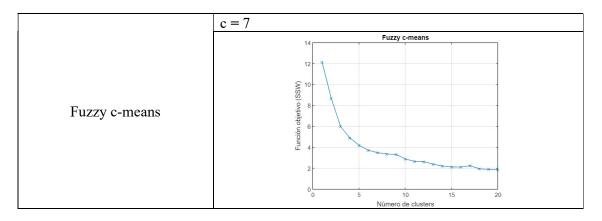


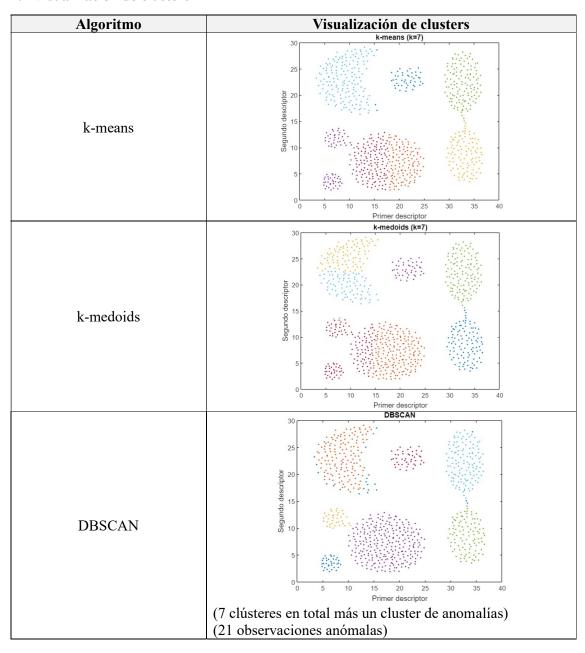
	k-means	k-medoids	DBSCAN	Clustering Jerárquico	Fuzzy c-means
SSW	3,0668	3,0575	3,8258	2,8998	3,0472
SSB	8,9472	8,9552	7,3168	8,9096	8,9276
WB-index	2,7422	2,7314	1,0458	3,2547	2,7306
Silhouette	0,5409	0,5684	0,8296	0,5401	0,5356

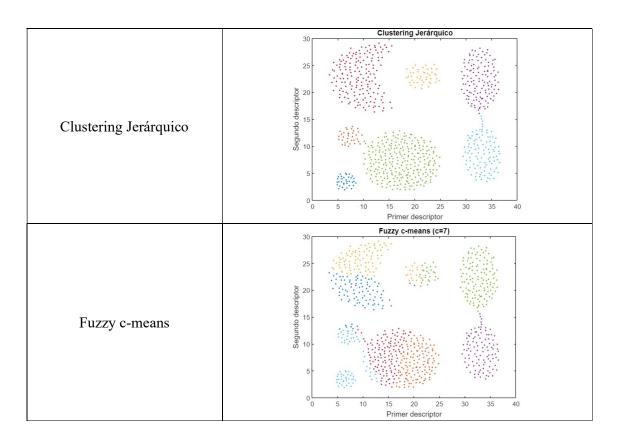
2. Dataset Aggregation





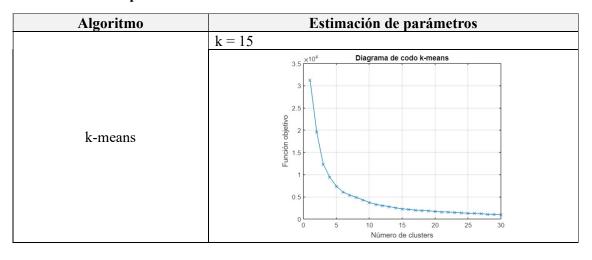


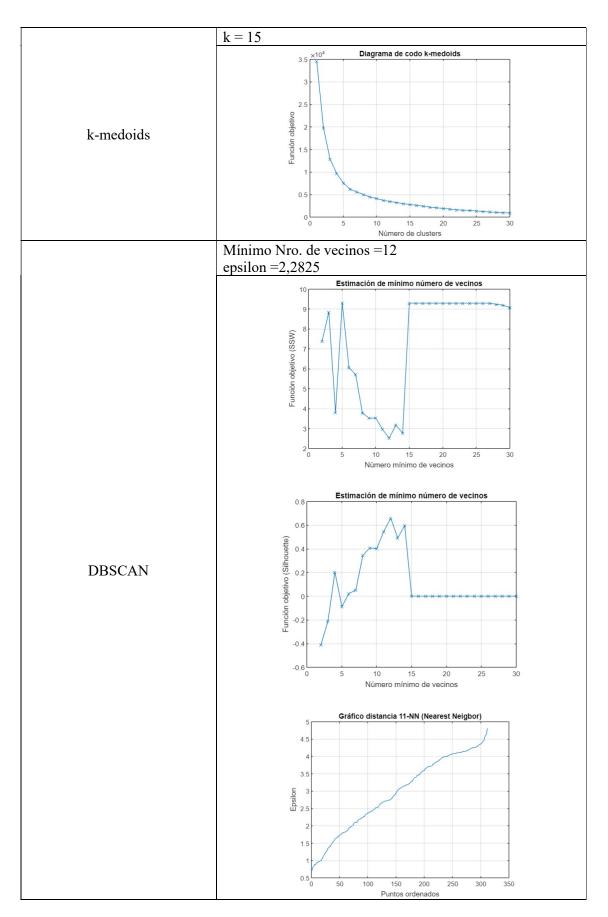


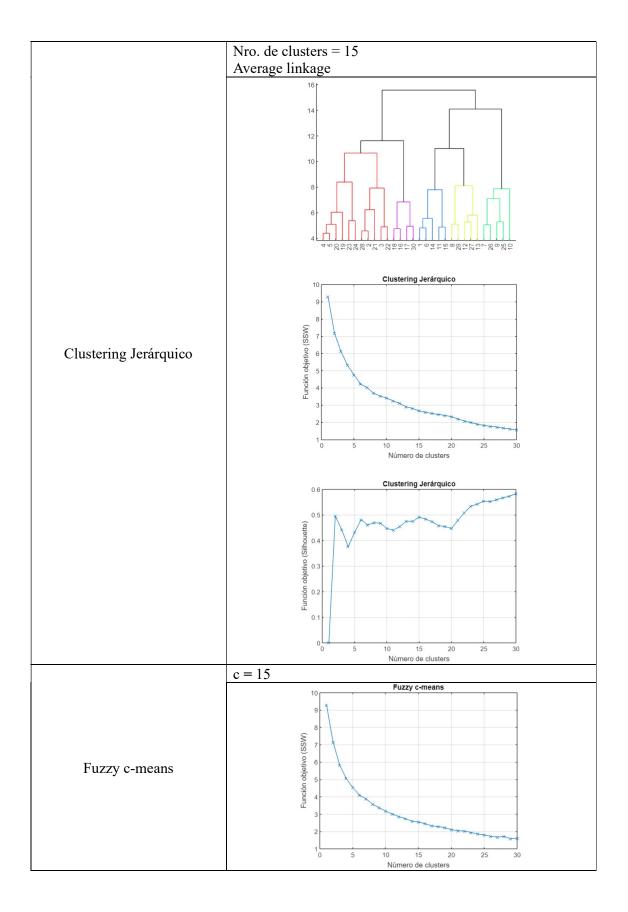


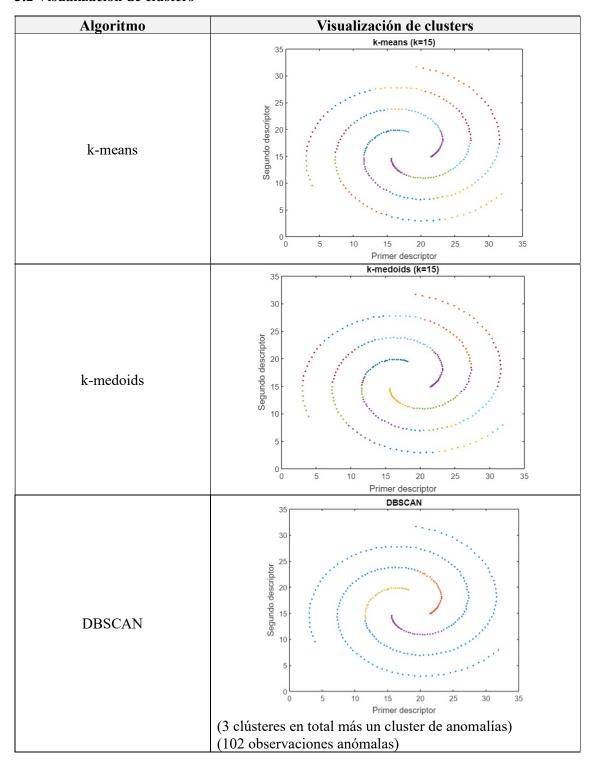
	k-means	k-medoids	DBSCAN	Clustering Jerárquico	Fuzzy c-means
SSW	3,4442	3,4888	3,5124	3,6068	3,7040
SSB	11,8195	11,7849	11,6671	11,6411	11,7384
WB-index	2,0398	2,0723	2,1074	2,1688	2,2088
Silhouette	0,6613	0,6521	0,6658	0,6439	0,5632

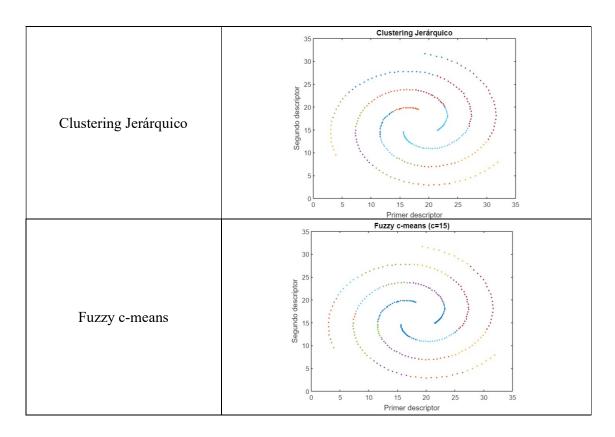
3. Dataset Path-based2





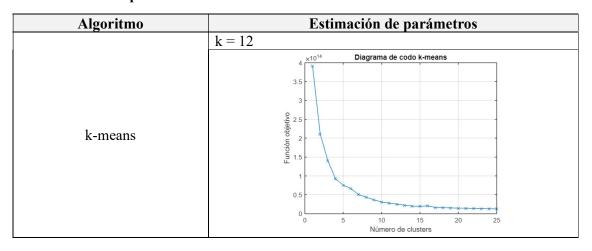


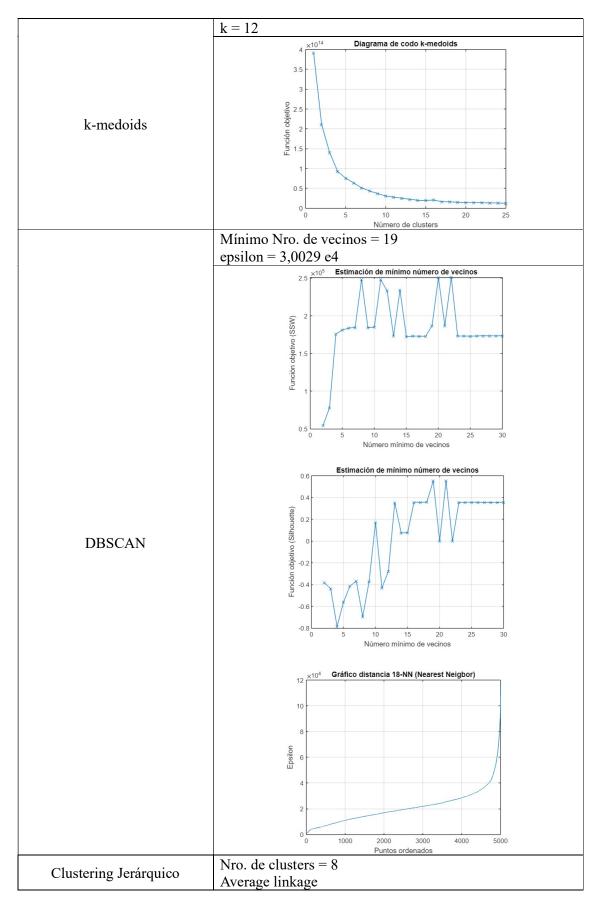


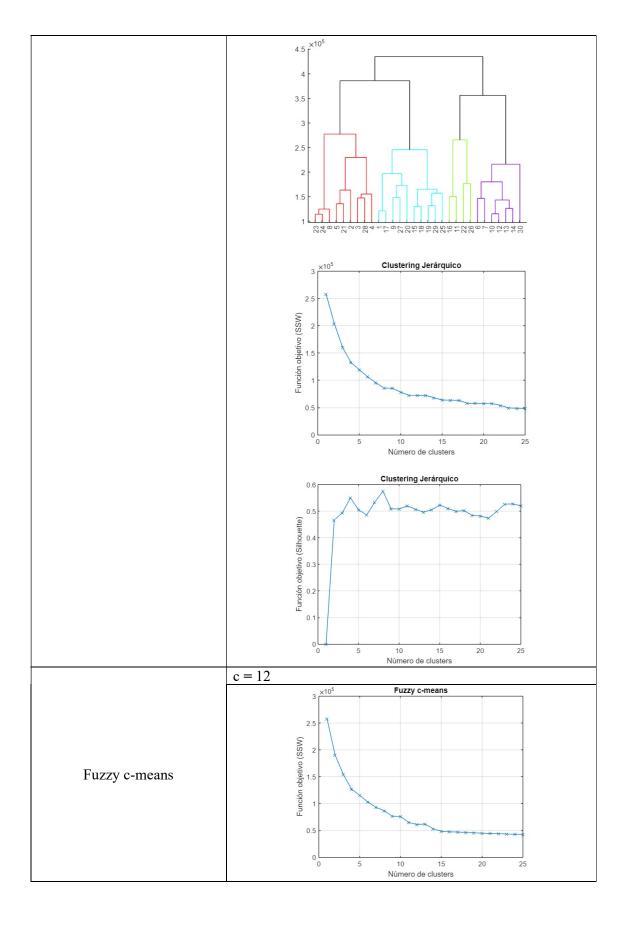


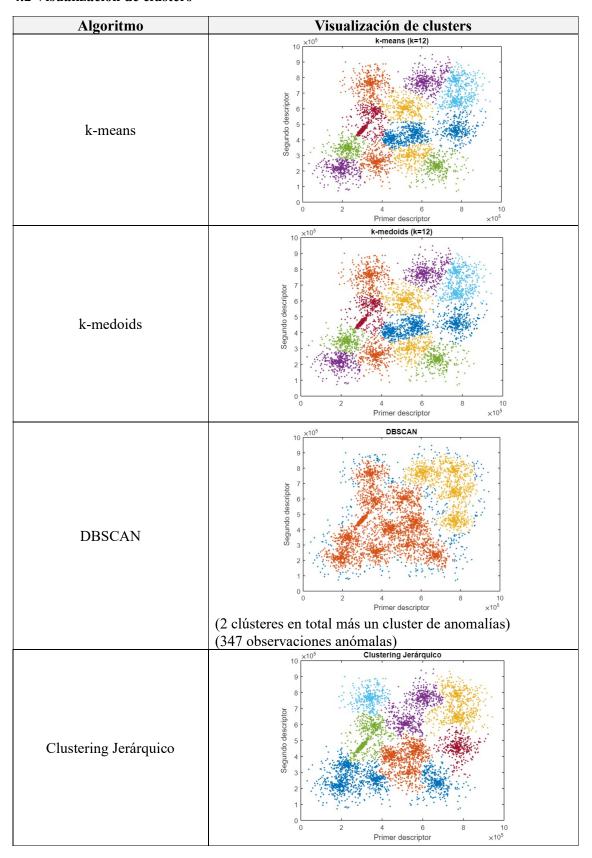
	k-means	k-medoids	DBSCAN	Clustering Jerárquico	Fuzzy c-means
SSW	2,5454	2,6119	2,5133	2,6600	2,5221
SSB	9,0522	9,0185	4,2708	8,9698	9,0251
WB-index	4,2179	4,3442	1,7655	4,4482	4,1917
Silhouette	0,5150	0,4589	0,6579	0,4907	0,4904

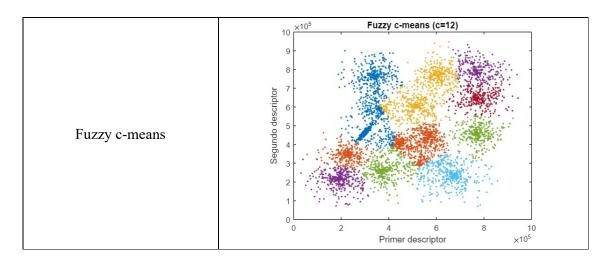
4. Dataset S3





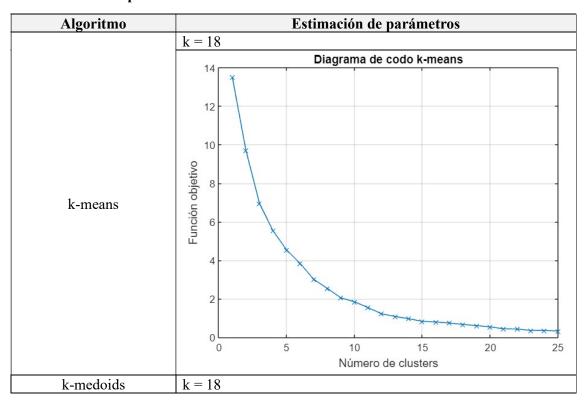


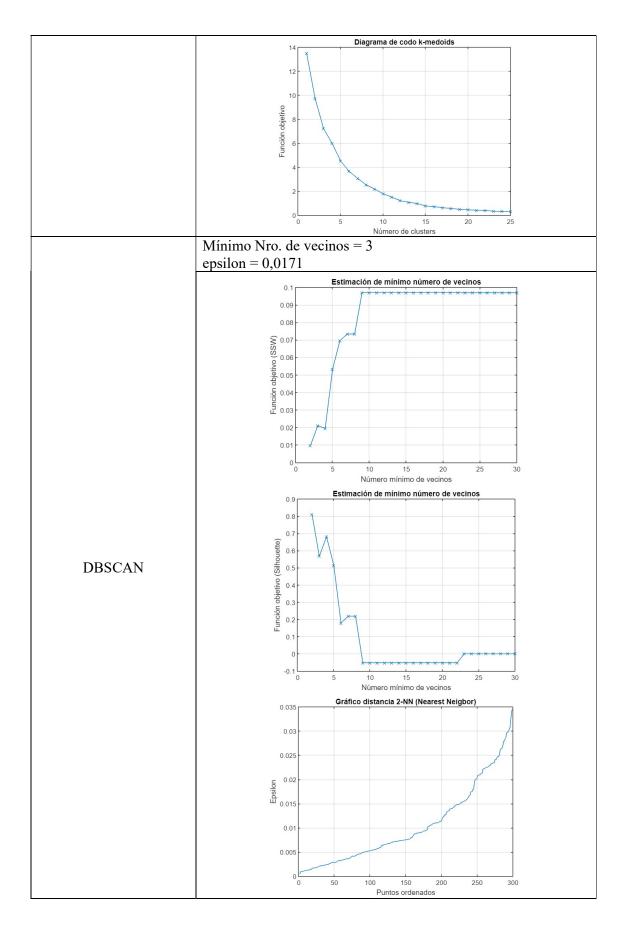


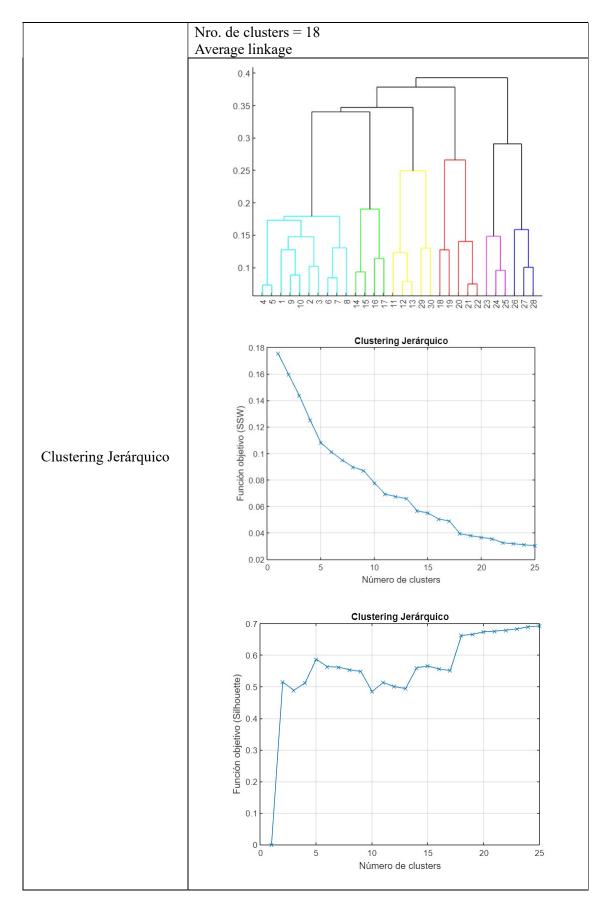


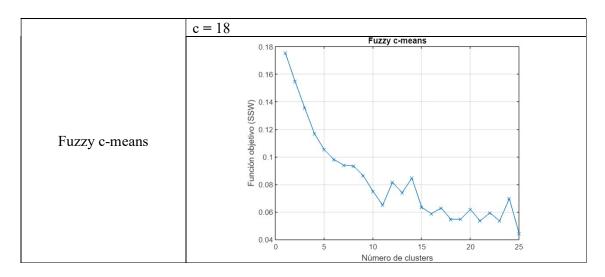
	k-means	k-medoids	DBSCAN	Clustering Jerárquico	Fuzzy c-means
SSW	6,1708 e4	6,1714 e4	1,8648 e5	8,5517 e4	6,0830 e4
SSB	2,4934 e5	2,4925 e5	1,5493 e5	2,4655 e5	2,4980 e5
WB-index	2,9698	2,9712	2,4072	2,7748	2,9222
Silhouette	0,6189	0,6179	0,5512	0,5743	0,6266

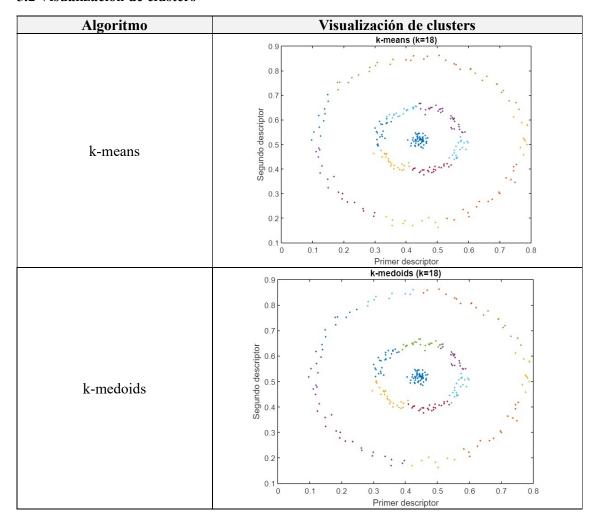
5. Dataset Zelnik1

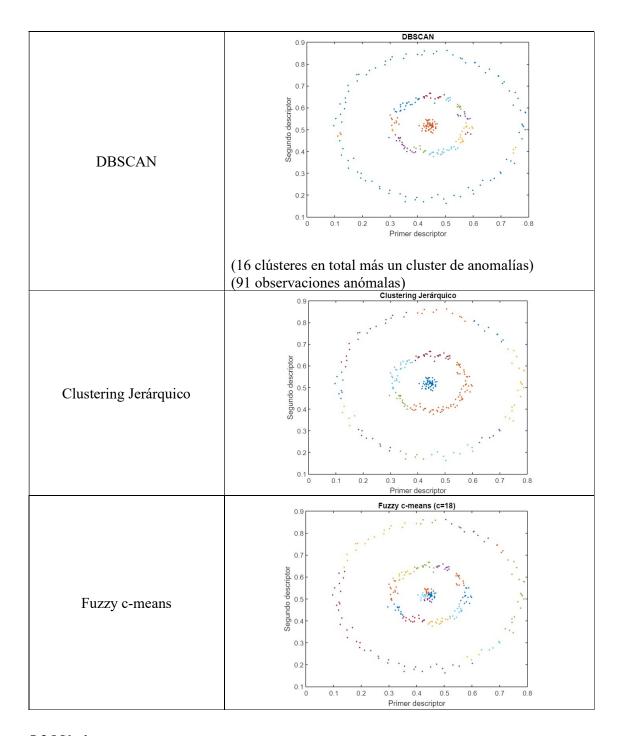












	k-means	k-medoids	DBSCAN	Clustering Jerárquico	Fuzzy c-means
SSW	0,0354	0,0356	0,0210	0,0392	0,0554
SSB	0,1686	0,1682	0,1034	0,1666	0,1695
WB-index	3,7855	3,8055	3,2480	4,2383	5,8885
Silhouette	0,7239	0,7216	0,5670	0,6621	0,3486