

Algorithm Performance Comparison (Green = Best Performance)

Dataset	K-means ARI	K-means Silhouette	DBSCAN ARI	DBSCAN Silhouette	Hierarchical ARI	Hierarchical Silhouette
Spherical	0.92	0.75	0.85	0.68	0.88	0.71
Elongated	0.68	0.45	0.89	0.72	0.82	0.69
Crescent	0.23	0.12	0.95	0.82	0.67	0.58
Nested	0.15	-0.05	0.88	0.76	0.78	0.65
Noisy	0.84	0.65	0.91	0.79	0.73	0.61