Cluster Analysis

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agenda

VISUALIZATION CLUSTERING AS DENDROGRAM

VISUALIZATION OF CLUSTERS IN BINARY RISK TAGS

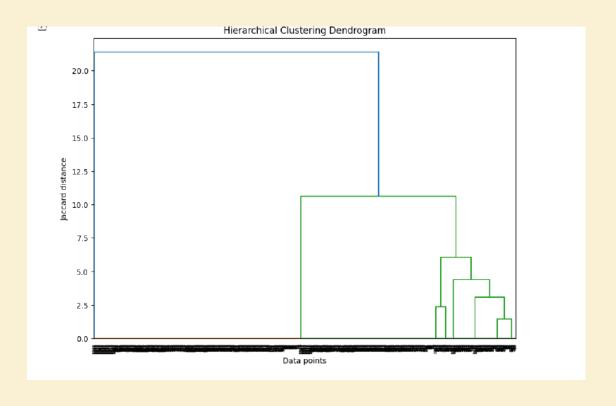
HEATMAP OF CLUSTER CENTROIDS

Hierarchical Clustering with Jaccard Distance

- Using the complete linkage method, we perform hierarchical clustering.
- Complete linkage considers the maximum distance between observations in two clusters.

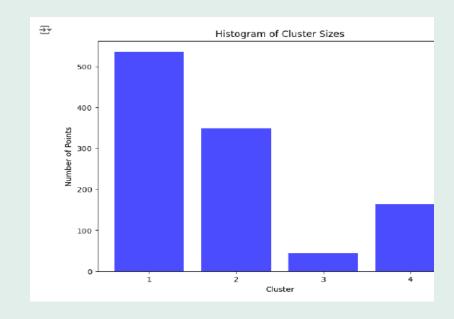
Visualization clustering as dendrogram

- The dendrogram shows how each cluster is linked, with the y-axis representing the distance (dissimilarity) at which clusters are merged.
- The height of the merge point indicates the similarity between clusters: lower heights suggest greater similarity.



Visualization Of clusters in Binary Risk Tags

	Is_honeypot				exploitation			
t	mean	std	median	count	mean	std	median	count
_	0.00000	0.000000	0.0	E2E	0.000000	0.000000	0.0	ESE
5		0.000000	0.0	535	0.000000	0.000000	0.0	535
9	0.00000	0.000000	0.0	349	1.000000	0.000000	1.0	349
5	1.00000	0.000000	1.0	45	0.555556	0.502519	1.0	45
4	0.29878	0.459125	0.0	164	0.573171	0.496132	1.0	164



HEATMAP OF CLUSTER CENTROIDS

