Cluster Analysis of Risk Tags

Unveiling Explicit Risks

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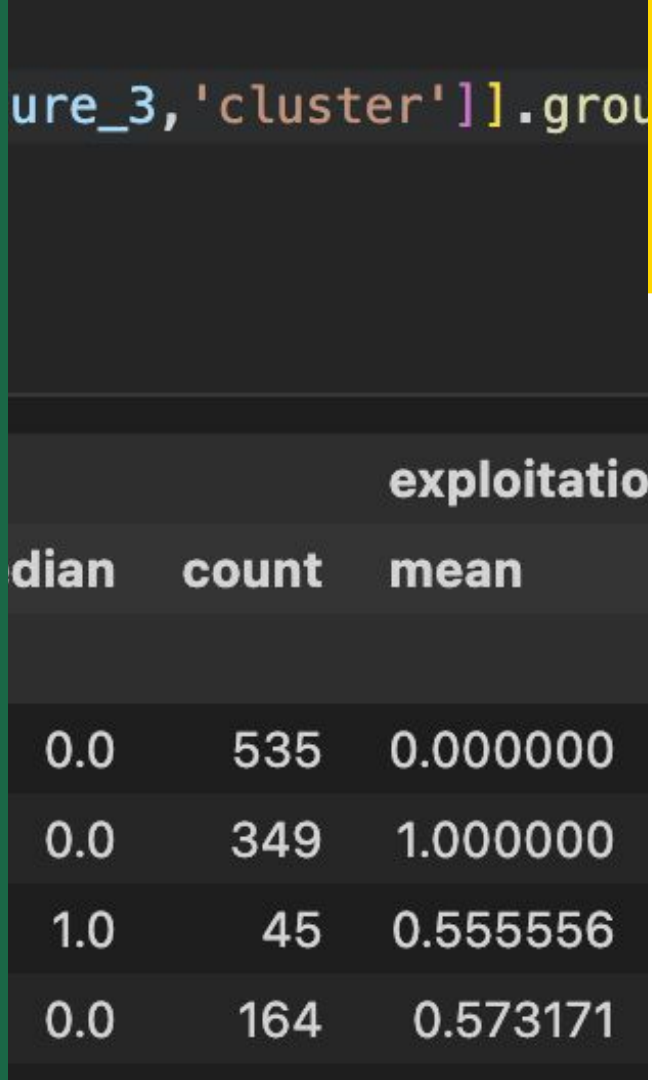
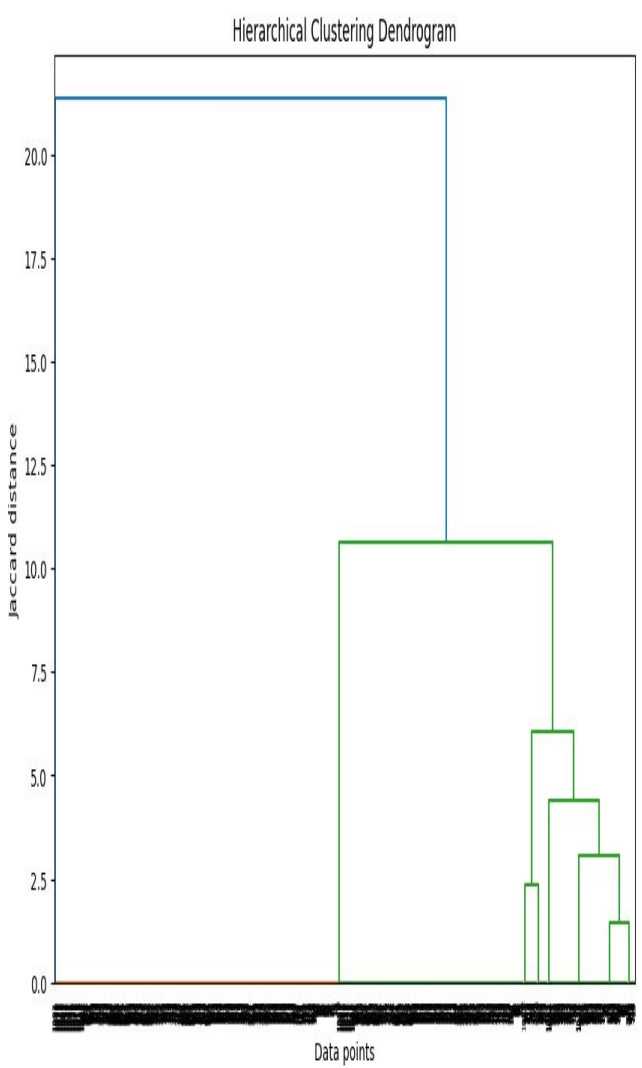


1

Summary statistics for each cluster

Unique Profiles

- Identification of 4 distinct risk profiles based on varied risk levels found in the dataset.
- 535 individuals classified as low-risk, 349 individuals exhibit high exploitation risk, 45 individuals identified as honeypots.
- Additionally, the analysis reveals 164 hidden owners showing mixed risks in their activities.
- Exploration of the diverse risk profiles aids in targeted security measures for different categories of threats.



2

Hierarchical Clustering Technique

Effective Clustering

- The analysis employed hierarchical clustering to group data points with similar risk attributes together.
- The binary features utilized were hidden_owner and is_honeypot, aiding in the distinction and analysis of risk factors.
- Hierarchical clustering provides a structured approach to understanding the relationships between different risk levels.
- This approach offers insights into the underlying risk patterns and assists in formulating tailored security strategies.

3 Histogram of Cluster Sizes & Heatmap of Cluster Centroids