A FRAMEWORK FOR CLUSTERING SCAMS

institute IMDEA software

1) SETTING

Online Scams: Fraudulent tactics designed to steal money

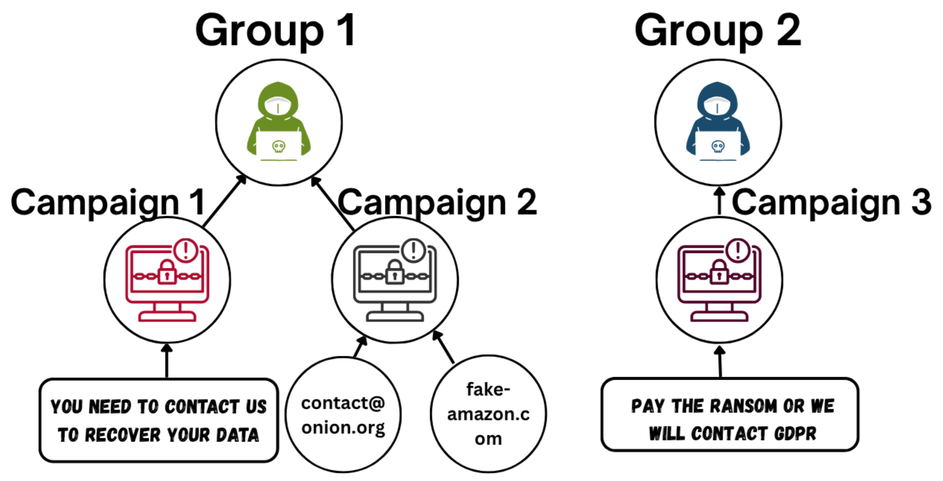
$10B in losses in 2023

2) PROBLEM

Identify campaigns

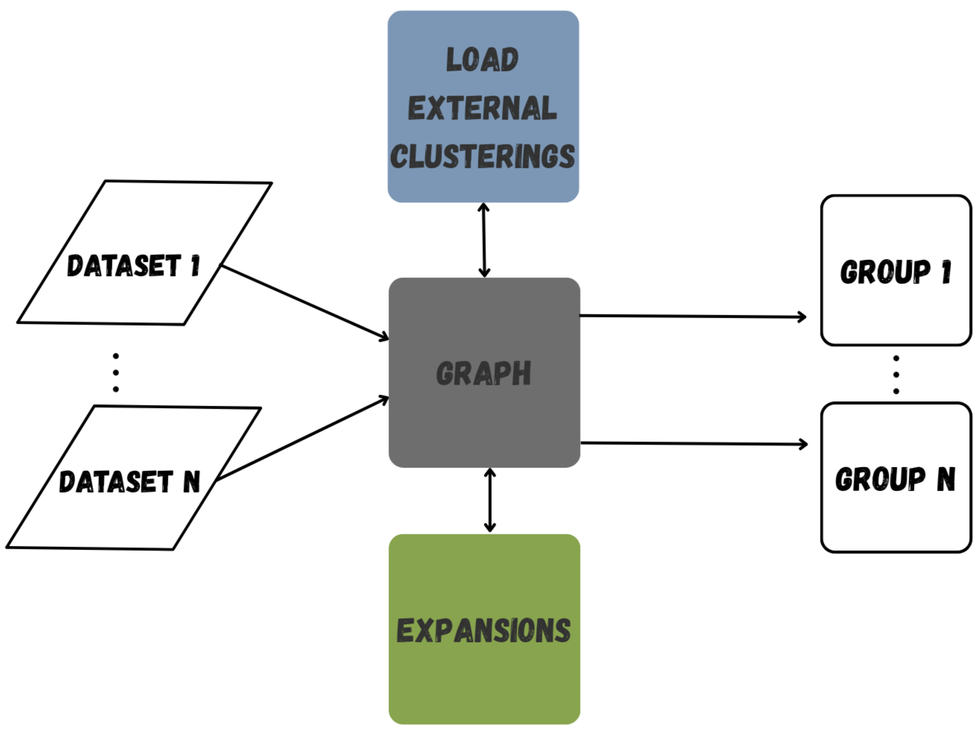
Link campaigns to groups

Identify attribution points



3) SOLUTION

Graph-based General Clustering Framework



4) INDICATOR GRAPH

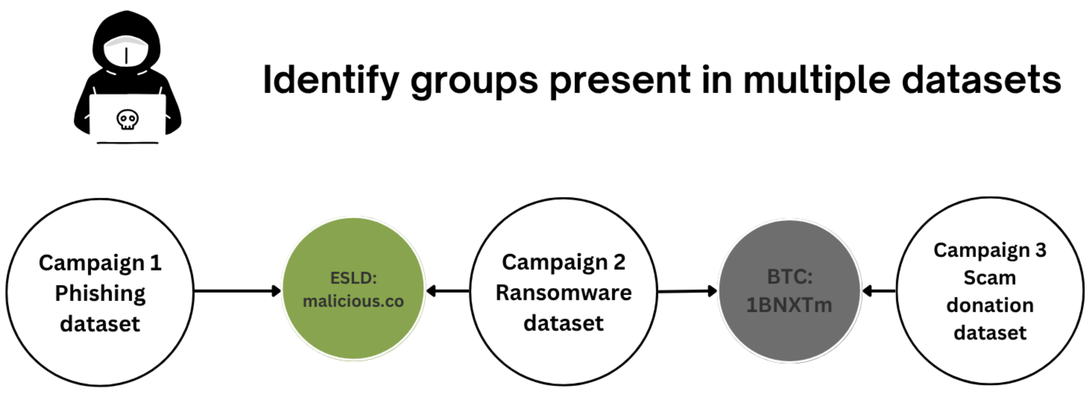
Datasets contain scam messages
With Indicator of Compromises (IOCs)

Ransomware: “Pay 0.7 BTC to bc1qzx”

Phishing: “Unauthorised login.
Verify via fake-amazon.com”

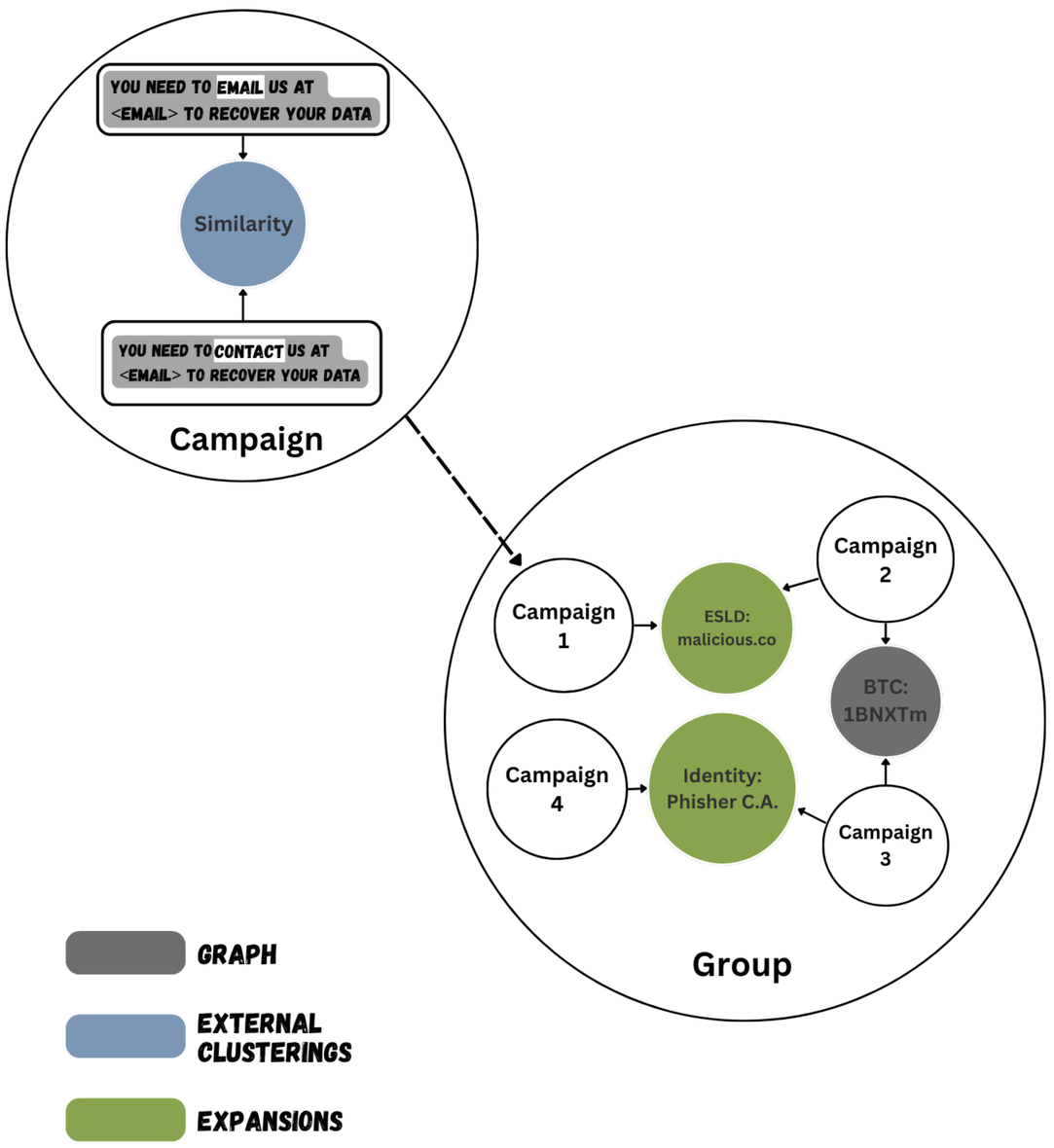
5) ANALYSIS

Identify groups present in multiple datasets



Attribution points to Law Enforcement Agency

Compute campaign/group BTC revenue



Kevin van Liebergen, Silvia Sebastián, Gibrán Gómez, Srdjan Matic, and Juan Caballero (2025). “A Framework for Clustering Scams”