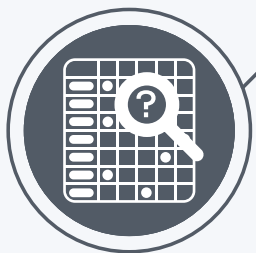


## SMARTER FRAUD DETECTION

Data scientists must proactively identify fraud, which is increasing at an alarming rate, to protect organizational interests. Fraudulent actors often work in networks, which are naturally graphy.

### IDENTIFY FRAUD NETWORKS

#### WITH TRADITIONAL DATA SCIENCE METHODS



Incomplete picture of underlying network, patterns, actors, and tools



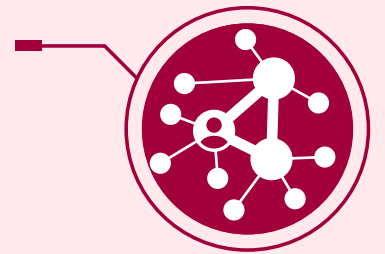
Manually join tables and searches across sources to flag suspicious accounts



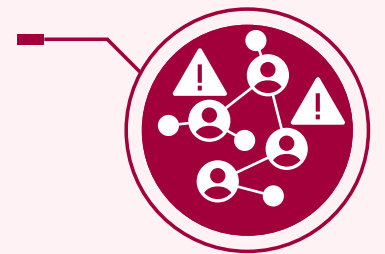
Fractured information across sources misses relationships

#### WITH NEO4J GRAPH DATA SCIENCE

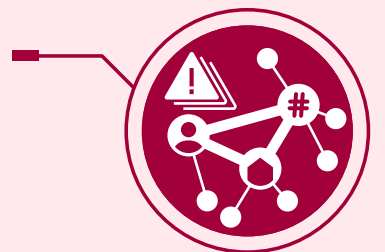
Visually map and explore relationships between actors, identifiers, and events in a graph



Identify fraudulent actors and patterns with anomaly and community algorithms



Predict fraudulent accounts and transactions with graph embeddings and ML features



## RESULTS

Neo4j Graph Data Science makes it easier for data scientists to map and proactively identify fraudulent actors, phone numbers, IP addresses, and more, that help reduce losses.

[Read our use case selection guide | Neo4j Graph Data Science](#)

*Neo4j Graph Data Science is a data analytics and ML engine that helps you understand the connections in big data to answer critical questions and improve predictions. It uses these data relationships to discover fast, actionable insights and plugs into enterprise data ecosystems so you can get more data science projects into production quickly. See how Graph Data Science can answer your data questions.*