ANOMALI

USE CASE

Copilot for Detecting Voter, Unemployment, and Medicare Fraud

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Fraud in public systems undermines trust and can lead to significant financial losses. Anomali Copilot, with its ability to operate on vast amounts of data over long time periods, offers advanced methods for detecting and preventing fraud across various domains, including voter fraud, unemployment fraud, and Medicare fraud. The following use case explores how Copilot addresses these critical issues.

1. Election Security

Context

In recent years, there has been an increase in concern about voter fraud, especially during presidential elections. This may include individuals casting multiple votes, votes cast using the names of deceased voters, false registrations, and votes cast by ineligible voters.

It is critical for state and local agencies to demonstrate their ability to ensure fair elections and maintain (or in some cases, restore) public trust.

Copilot Application

Here's how Anomali Copilot can enhance voter fraud detection by analyzing voting data patterns, registration records, and historical voting behaviors:

Implementation:

1. **Gather a Comprehensive View of Voter Data:** Enhance accuracy by integrating voter registration databases, voting records, and death records as well as ingest data from social media and public records.
2. **Detect and Flag Anomalous Voting Behavior:** Copilot's algorithms analyze voting patterns to identify discrepancies. For instance, if a single voter is recorded as voting multiple times in different locations, the system flags it as suspicious.
3. **"AI see dead people:"** Use Copilot's natural language processing (NLP) and entity resolution to cross-check voter registration records against death certificates to identify potential discrepancies.

4. **Identify False Registrations:** Copilot can detect patterns of false registrations by analyzing inconsistent data across voter registrations, such as mismatches in addresses, names, and identification numbers.
5. **Detect Ineligible Voters:** Apply Copilot to verify voter eligibility by comparing voting records against residency requirements and citizenship status criteria.

Outcome

Anomali Copilot can help election authorities swiftly identify and address potential voter fraud. By automating the detection of anomalies and discrepancies, Copilot enhances the accuracy and efficiency of fraud investigations, preserving the integrity of elections and public trust.

2. Unemployment Fraud

Context:

Unemployment fraud has led to an estimated $100-$135 billion in fraudulent payments[1] over the past three years. Fraudulent claims strain state funds, delay legitimate benefits, and increase corporate unemployment taxes, affecting both the economy and individual claimants.

Copilot Application:

Here's how Anomali Copilot can be used to detect and prevent unemployment fraud by analyzing, claims data, employment records, and transaction histories:

Implementation:

1. **Gather a Comprehensive View of Employment Data:** Consolidate unemployment claims, employment records, and financial transaction data. Copilot can also incorporate data from other sources, such as social media and third-party verification services.
2. **Look for Suspicious Patterns in Claims Data:** Identify unusual patterns, such as simultaneous claims from the same individual across multiple states, or claims filed by individuals with inconsistent employment records.
3. **Analyze Behavioral Patterns:** Analyze claimants' transaction histories and behavioral patterns for signs of fraud, such as rapid changes in income or spending habits that do not align with reported employment status.
4. **Cross-Verify with Employer Records:** Copilot can cross-check claims against employer records and other data sources to identify discrepancies, such as claims made by individuals who are still actively employed or those with inconsistent job histories.
5. **Monitoring Activity in Real Time:** Copilot can monitor new claims in real time, flag suspicious activity, and provide alerts to fraud investigators.

Outcome

Copilot can significantly reduce the incidence of unemployment fraud by automating the detection of suspicious patterns and anomalies. This leads to faster processing of legitimate claims, reduced strain on state funds, and minimized increases in corporate unemployment taxes.

3. Medicare Fraud

Context

Medicare fraud involves claims made by individuals who have not contributed to the system, draining resources that should be available to those who have. This currently costs the US $60 billion per year,[2] undermining the sustainability of the Medicare program and reducing legitimate access to essential healthcare services.

Copilot Application

Her'e's how Anomali Copilot can help identify and prevent Medicare fraud by analyzing claim patterns, patient records, and billing information:

Implementation:

1. **Gather a Comprehensive View of Medical Data:** Aggregate Medicare claims data, patient records, provider billing information, and historical fraud data. Copilot can also incorporate external data sources for verification.

[1] https://www.gao.gov/products/gao-23-106696#:~:text=What%20GAO%20Found,%24100%20billion%20and%20%24135%20billion.

[2] https://www.forbes.com/councils/forbestechcouncil/2023/09/20/how-medicare-and-other-fraud-in-the-us-can-be-prevented/#:~:text=Medicare%20fraud%20in%20the%20U.S.,far%20lower%2C%20but%20still%20significant.

2. **Look for Suspicious Patterns in Claims Data:** Use Copilot's algorithms to identify patterns that may indicate fraudulent claims, such as unusually high numbers of claims from specific providers or patients with inconsistent medical histories.
3. **Detect and Flag Anomalous Billing Behavior:** Apply Copilot to flag unusual billing practices, such as excessive billing for services that are not medically necessary or that were not provided.
4. **Match Patient Histories to Services Provided:** Implement Copilot to cross-check patient identities and medical histories against Medicare records to ensure that claims are valid and that beneficiaries are entitled to the services billed.

Outcome

Copilot can improve the accuracy and efficiency of identifying fraudulent Medicare claims, ensuring that resources are allocated to those who have legitimately contributed to the system. This helps maintain the Medicare's integrity and ensures that beneficiaries receive the healthcare services they need.

Conclusion

Anomali Copilot provides powerful capabilities for detecting and preventing fraud across critical public systems. By leveraging machine learning, NLP, and anomaly detection, Copilot can effectively address voter fraud, unemployment fraud, and Medicare fraud. These applications enhance the accuracy of fraud detection, reduce financial losses and strain on already limited budgets, and uphold the integrity of public services, ensuring proper resource allocation and maintaining public trust.