RESISTANTA

Adaptive Security for Fintech

Who we are

- 14 years of experience with application of artificial intelligence in network security and defence
- Successful startup Cognitive Security (acquired by Cisco in 2013)
- Built Cisco Cognitive Threat Analytics product from 0 to 25 million users in Fortune 1000 companies
- 7 PhDs in AI, 100s of patents and papers in AI and Security
- Transparent & Fair pricing



Forgery Detection

- Detect Manipulation and Forgery of PDF Files and Images
 - Payslips
 - Bank Statements
 - POs & Invoices
 - KYC Documents

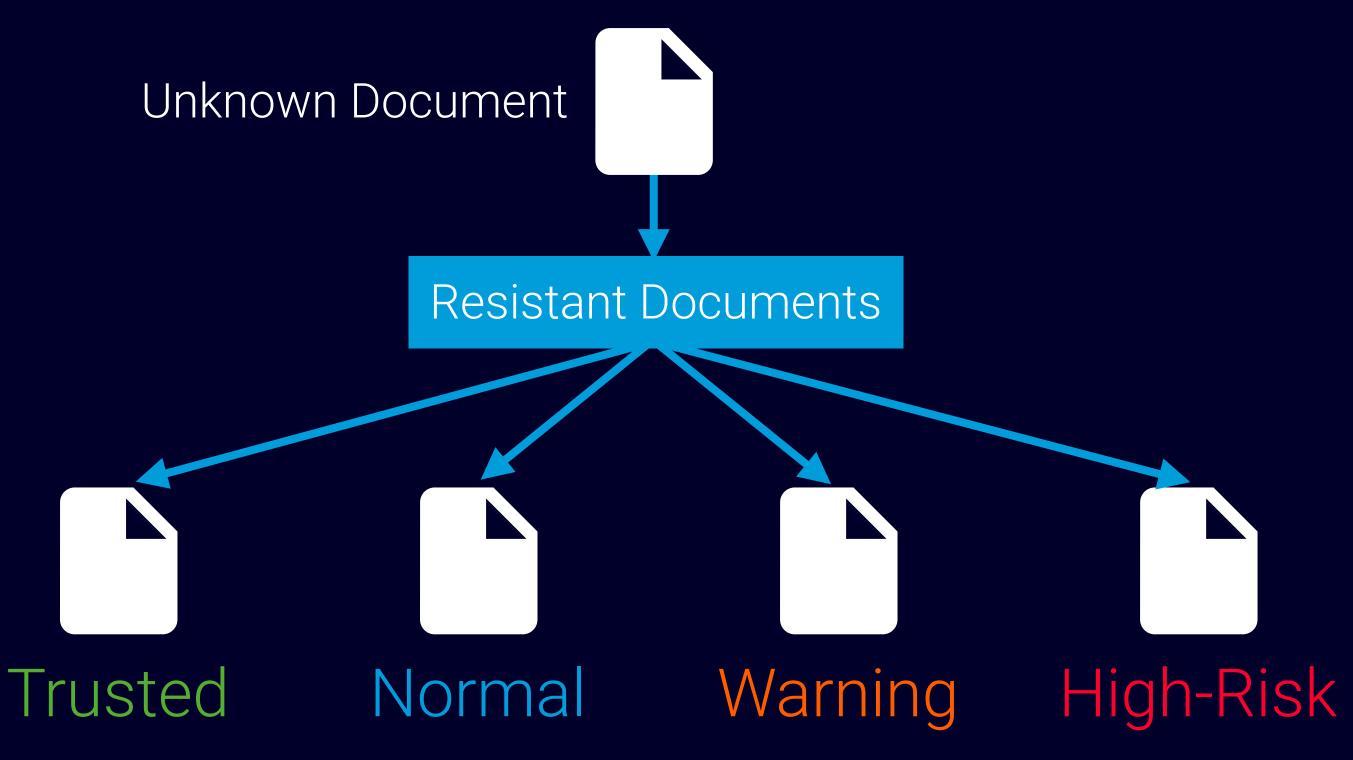
Risk, Fraud & AML

- False Positive Reduction
- Advanced Attack Detection
- Partner & Insider Fraud

for

- Fraud Detection
- Anti-Money Laundering
- Online & Consumer Lending

Resistant Documents



We have significant evidence in favour of document being authentic and unmodified.

We don't vouch for document authenticity, but can see no evidence of modification or editing.

The document presents **signs of**

modification or origin inconsistent with past practice.

The document shows signs of tampering with fraudulent intent.

Assessment

Score: Warning

Manual Inspection Recommended

Detailed Indicators •

Evidence of changes guides verification

Edits highlighted in the document
For easier inspection

Secondary Indicators Confirm Modification False Alarms reduced by better reasoning

Full Story

Modification's traces confirm the attacker's approach



BANK STATEMENT - INNOVATION JAM - ALTER...



AUTHOR:

CREATION DATE:

NATIONAL WESTMINSTER BANK PLC

6/22/2020, 5:13:39 PM

MODIFICATION DATE:

6/24/2020, 12:59:13 PM



RISK INDICATORS

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of the document differs from the original.

PAGE ORIGINAL REPLACED WITH

1 LUKE MRJOHNMANZONI

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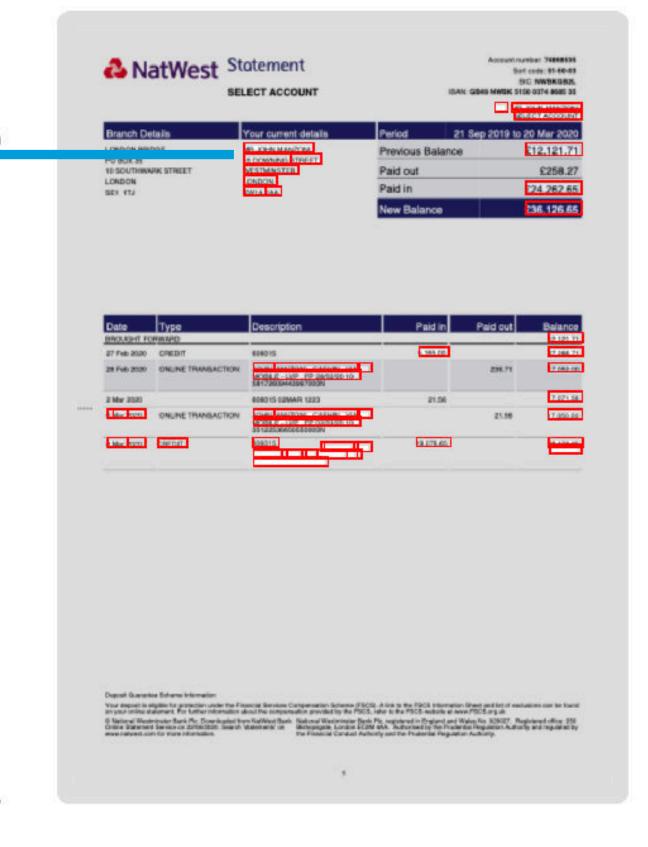
Contains fonts from both Windows and Mac OS 🧿

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Contains PDF Expert comments in PDF data

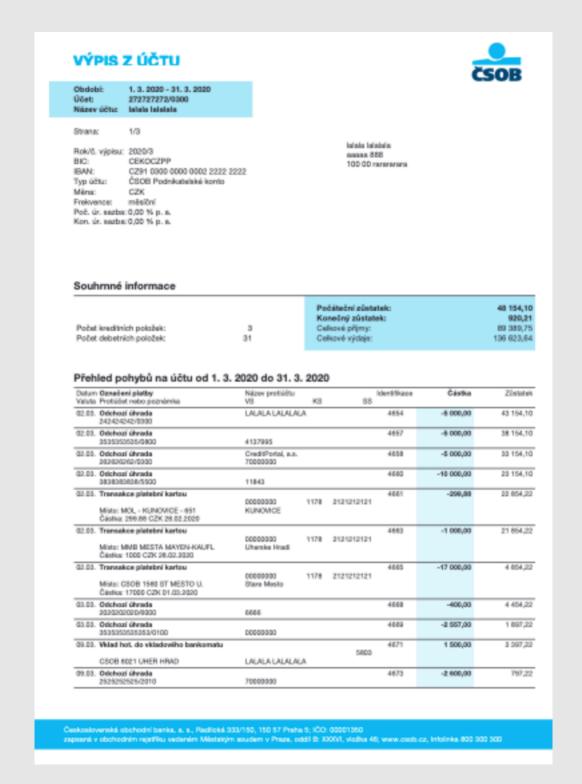
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Reliable Content Extraction

- Highly accurate OCR targeting security-critical document fields
- Optimised for high precision, no lowconfidence guesses
- Adversarial Robustness thanks to diversity of preprocessing algorithms

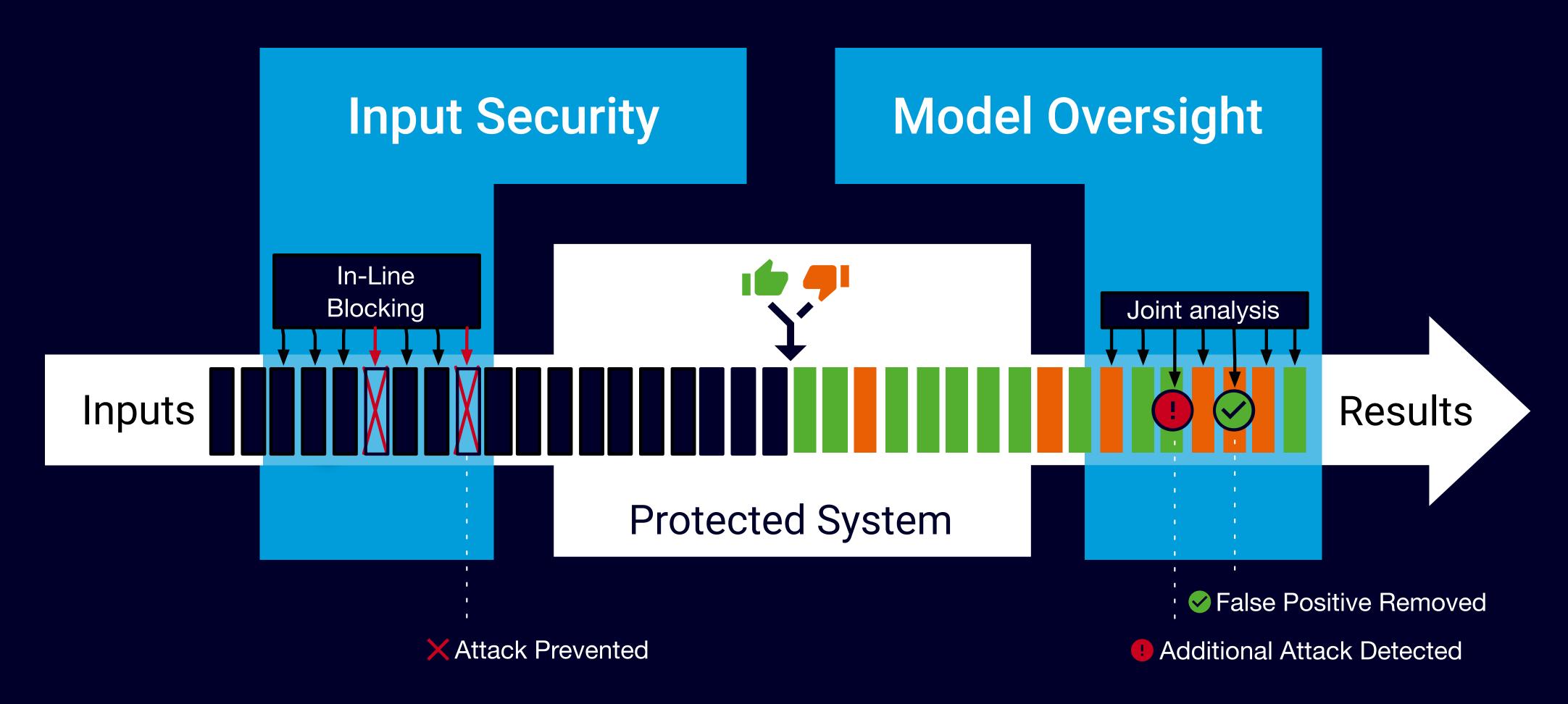
Bank Statements



ID Cards



Resistant Transactions



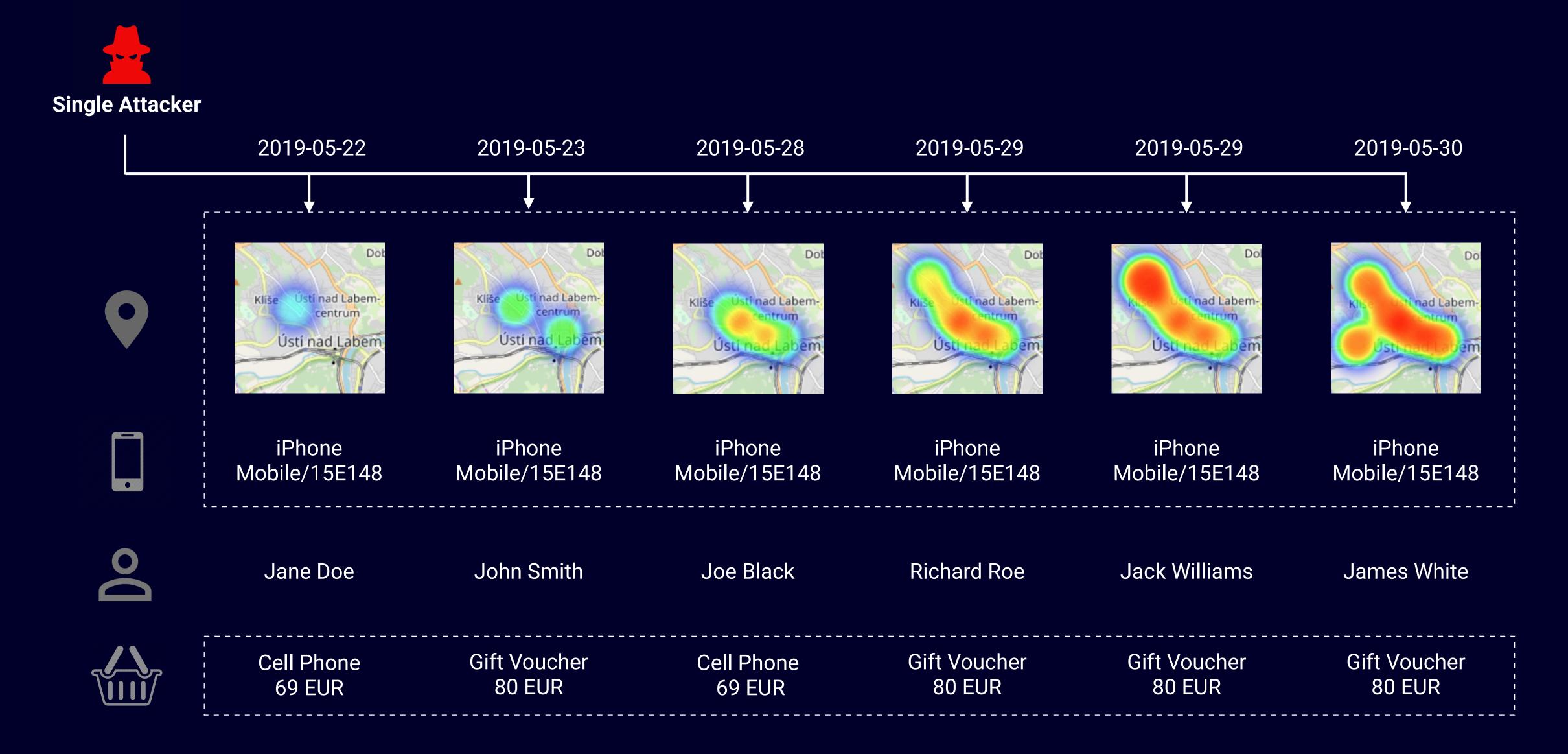
We find attacks by reasoning about each transaction in the context of similar transactions.

Detecting Account Takeovers

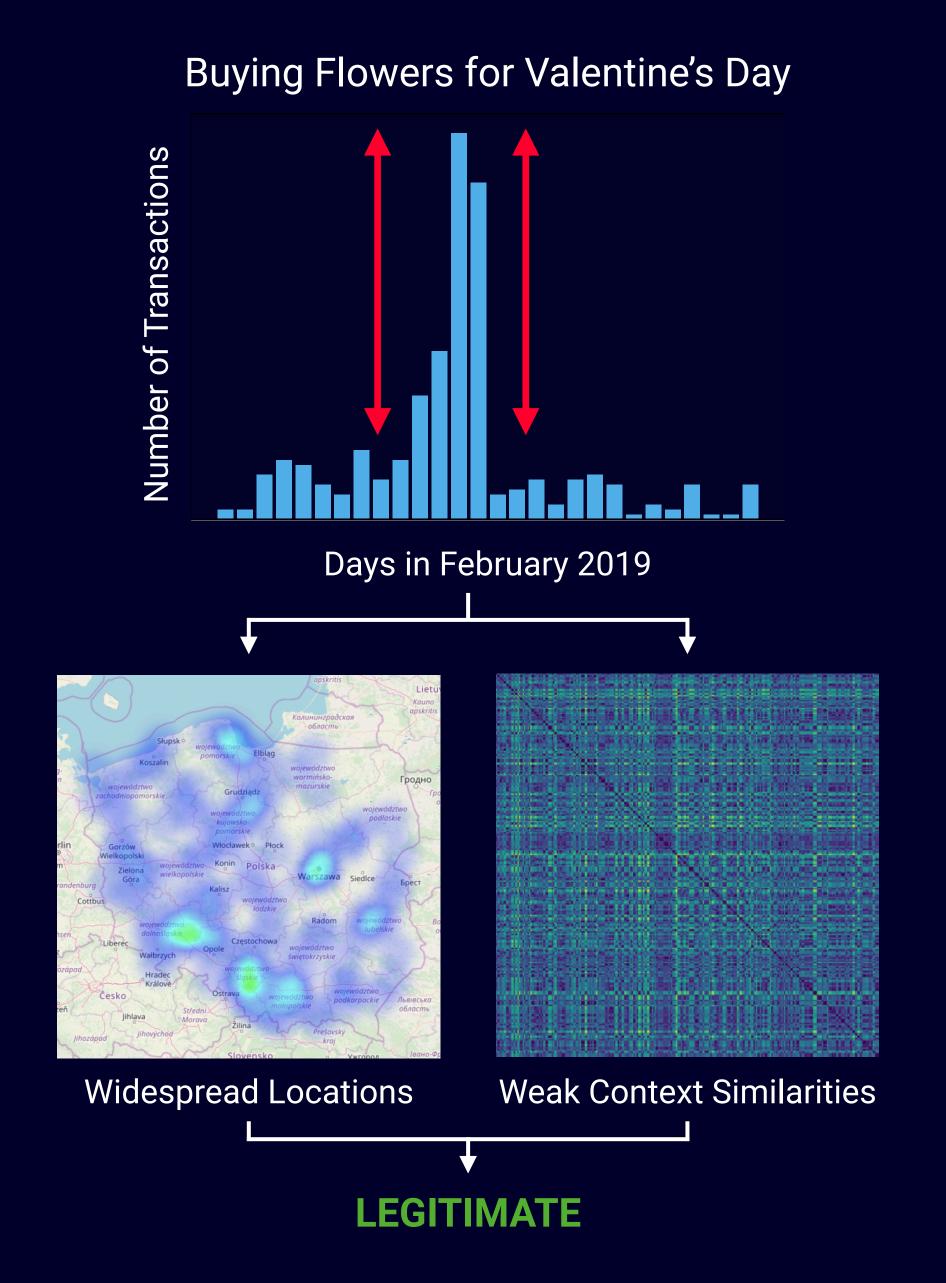


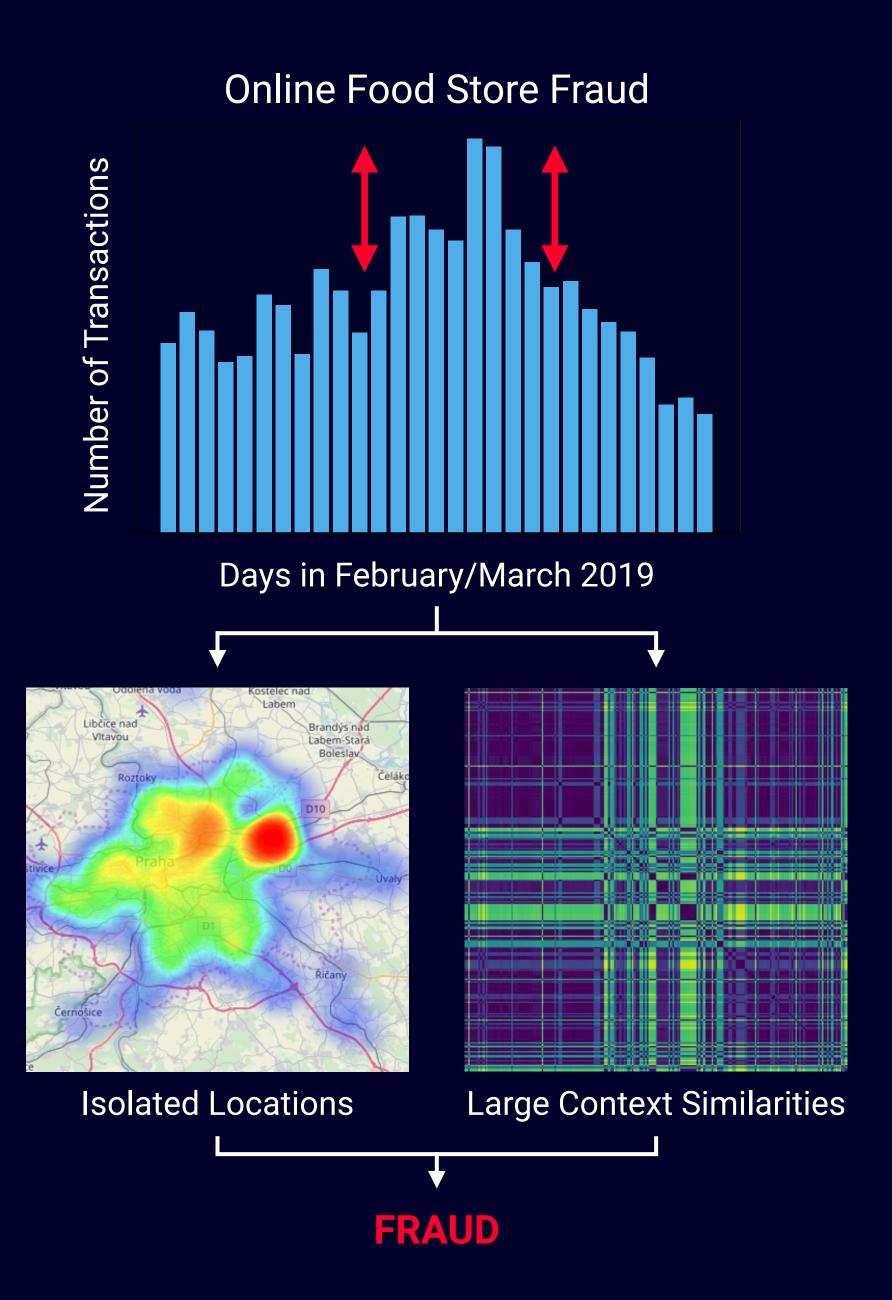


Generated Identities



Reduction of False Positives





Customer Outcome

- 50% of fraud incidents auto-prevented before approval
- 15% of previously "non-fraud defaults" identified as fraud
- 85% alert volume reduction for fraud team
- Better robustness against new attacks
- Improved risk scoring thanks to cleaner data

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