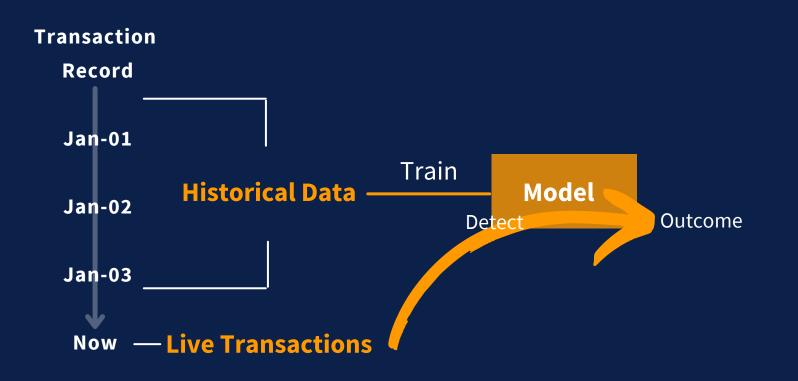
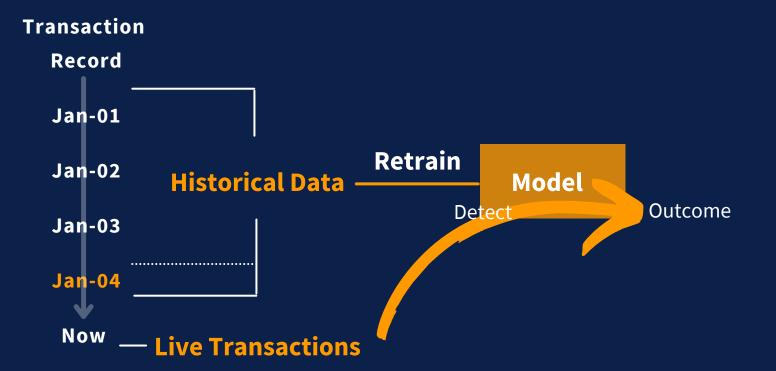


Fraud costs merchants **\$190 billion** each year

- Real-time fraud detection can help reduce this cost
- Self updating model to remain relevant

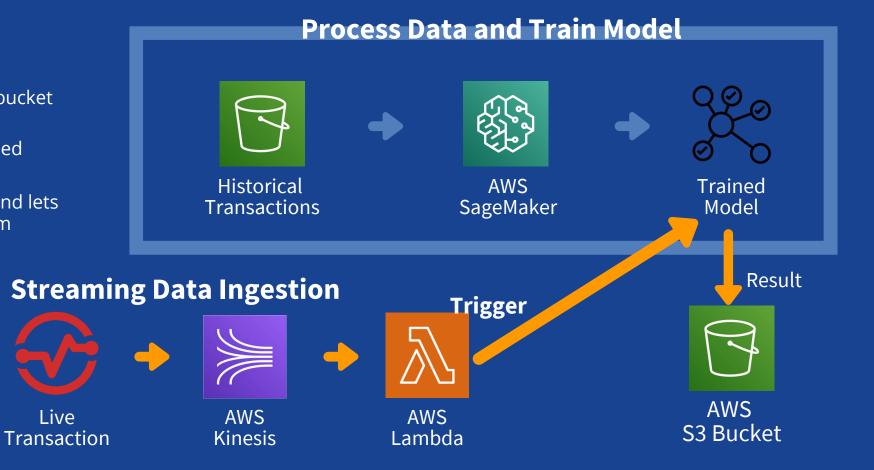


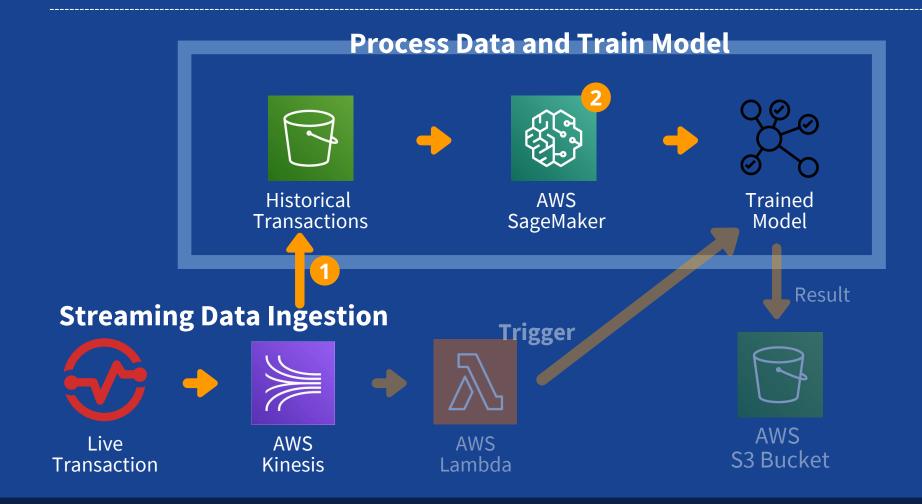


OVERALL STRUCTURE

Detection Process

- Historical data is stored in AWS S3 bucket and used for model training
- Streaming data is ingested, processed through AWS Kinesis
- AWS lambda triggers the function and lets the model predict the outcome from streaming data





Retraining Model

- 1. Streaming data is aggregated and the historical data is updated
- 2. Model is periodically retrained

MORE THAN FRAUD DETECTION







- Monitor production line
- Inspect product quality (AOI)
- Monitor environmental data
- More...

Visualization

Notification

Automated Reaction