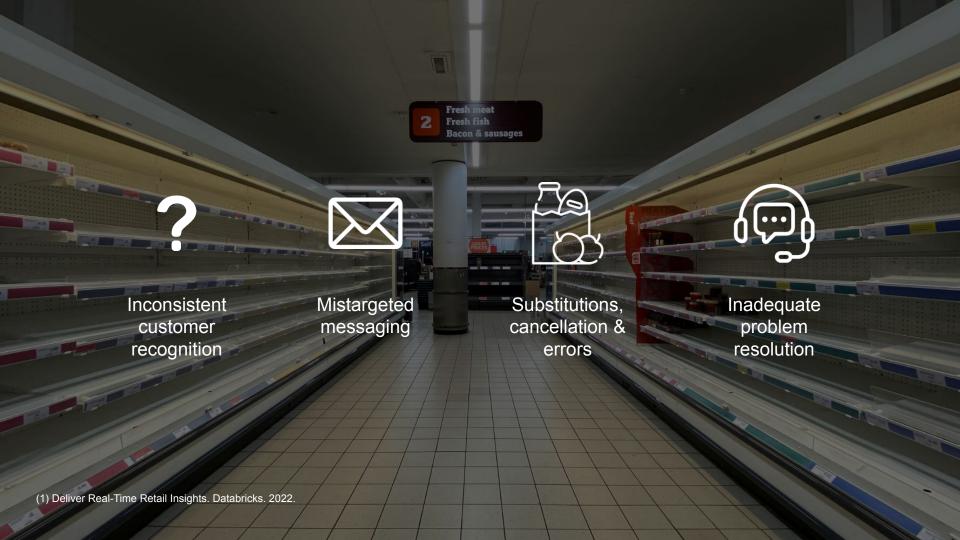
POS Streaming Analytics

Leverage Streaming and Lakehouse for Retail

By Ronie Arauco

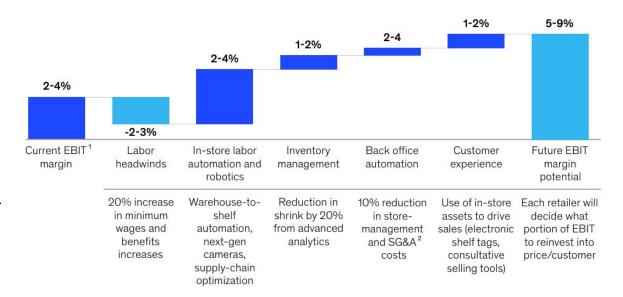






Technology will likely double store profitability (1)

- The "store of the future" can:
 - Double retailers' EBIT margins
 - Provide a better customer experience
 - Have a positive ROI
- The technology needed to achieve this transformed P&L is already available



Inventory Management in the project

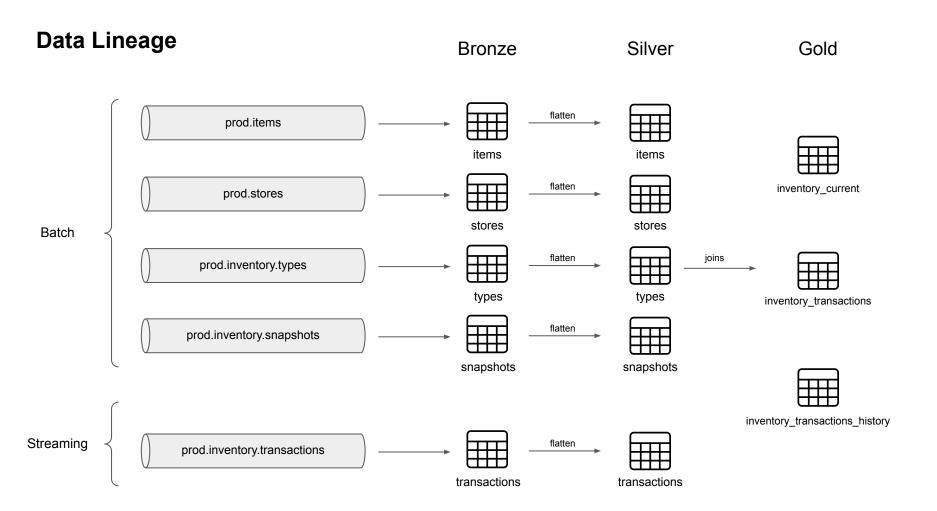
- Objective: Real-time inventory visibility
- Key metrics spanned in POS analytics:

Last transaction information Current inventory quantities Growth of items quantity over time

Architecture

- Streaming
 - Topics support avro schema evolution with Schema Registry
- Lakehouse
 - Tables are managed using Unity Catalog
 - Structured Streaming support the streaming flow





POS Analytics Dashboard

- Dashboard link <u>here</u>
- Repository <u>here</u>

