



AI AT SCALE

ENGINEERING FOUNDATIONS TO FUEL INNOVATION IN ENTERPRISE DATA SCIENCE

May 26, 2025

Vishal Anand, VP, Mastercard

Mastercard is a global technology company

200+

Countries

150

Currencies

150M+

Locations

3.5B

Cards

159.4B

Transactions



Mastercard's Data & AI journey



2000s



Data expansion

Cluster analyses & regression models



Customer insights



Anti-fraud tools

2010s



Personalization services

Machine Learning



Identity tools

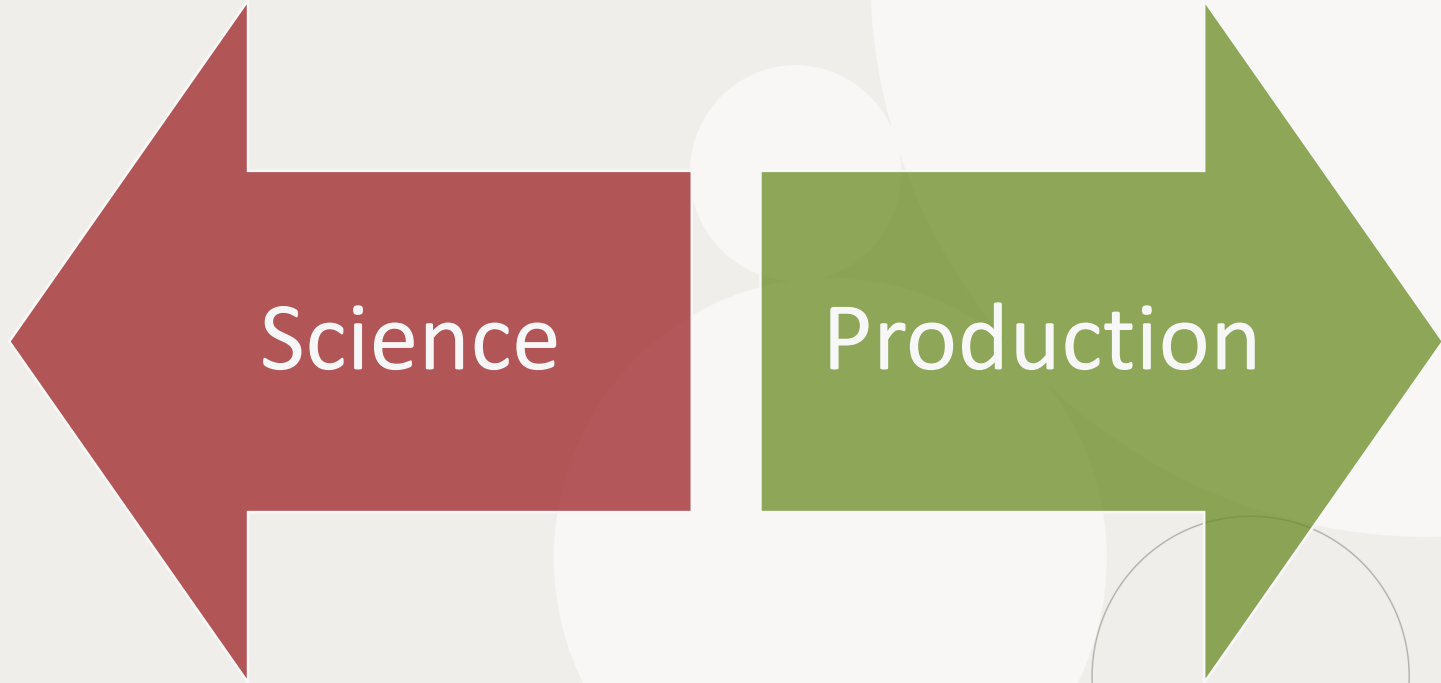
2020s



AI expansion:
Governance, LLMs

Generative AI

AI at Scale – The Problem



Strategic Foundation



Fix your Data

Build Unified Data & AI Platforms

Be Cloud Native

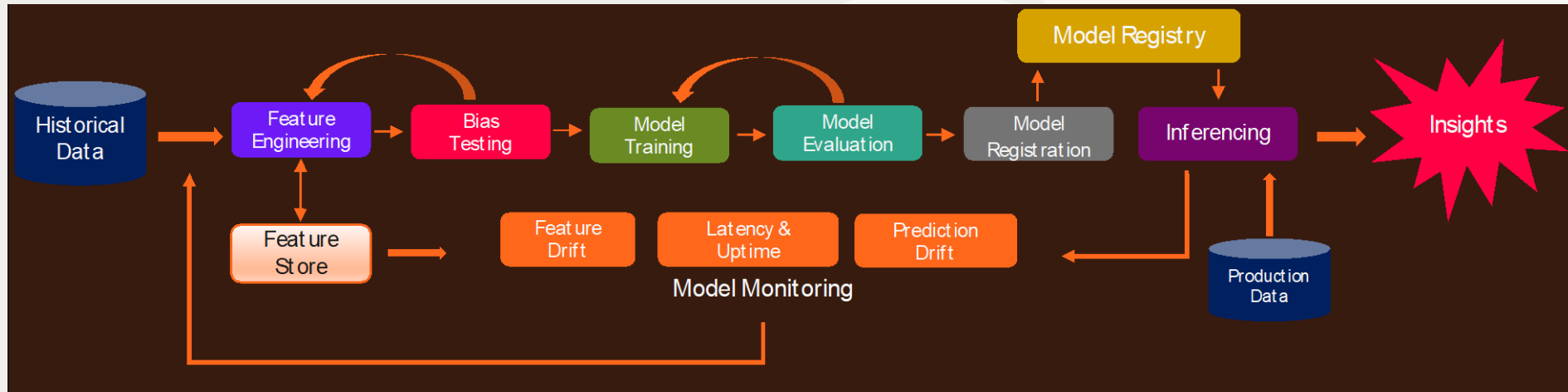
Embed Cost management

Avoid Vendor Lock-In

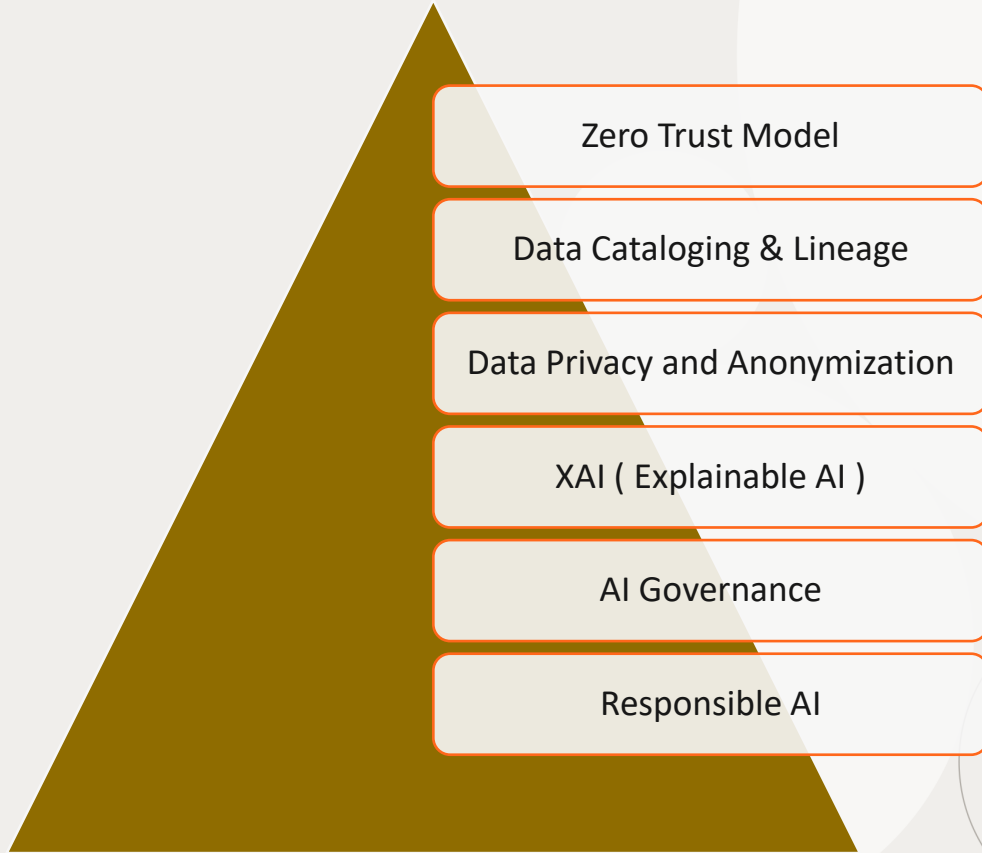
Technology is the Key



- ❑ Robust MLOPs platform
- ❑ Scalable computing Infrastructure
- ❑ Low Code / No Code (LCNC) Tooling
- ❑ LLMs are (not) a Hype
- ❑ Augment Human capabilities



Security & Compliance



Key Success Factors





Thank You !!