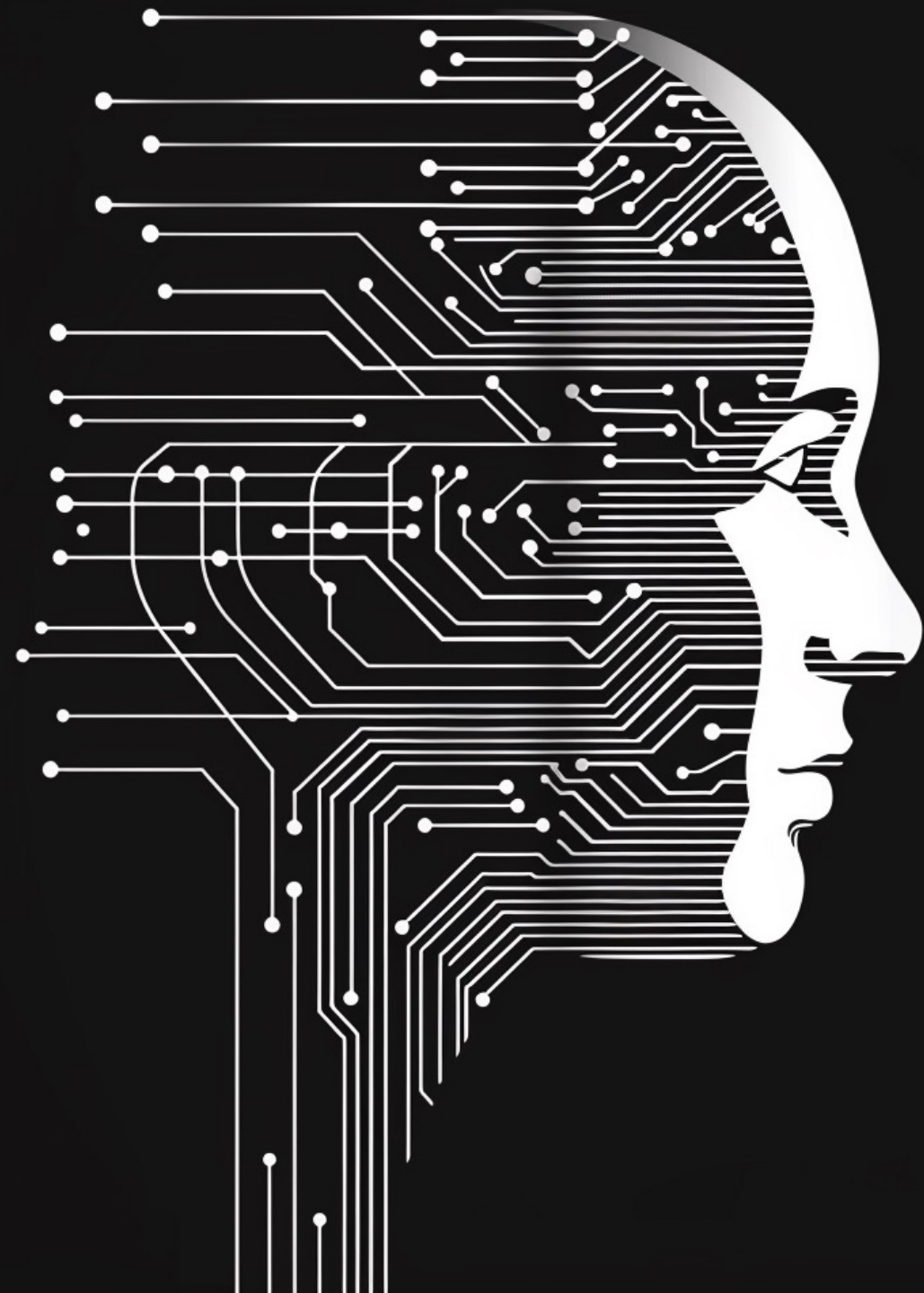


Unleashing the Power of Data & AI to Drive Business Value and Innovation

By Fatih Nayebi, Ph.D. – World AI Summit Americas – April 25, 2024



About Fatih Nayebi

Vice President, Data & AI at **ALDO**
GROUP

Faculty Lecturer at

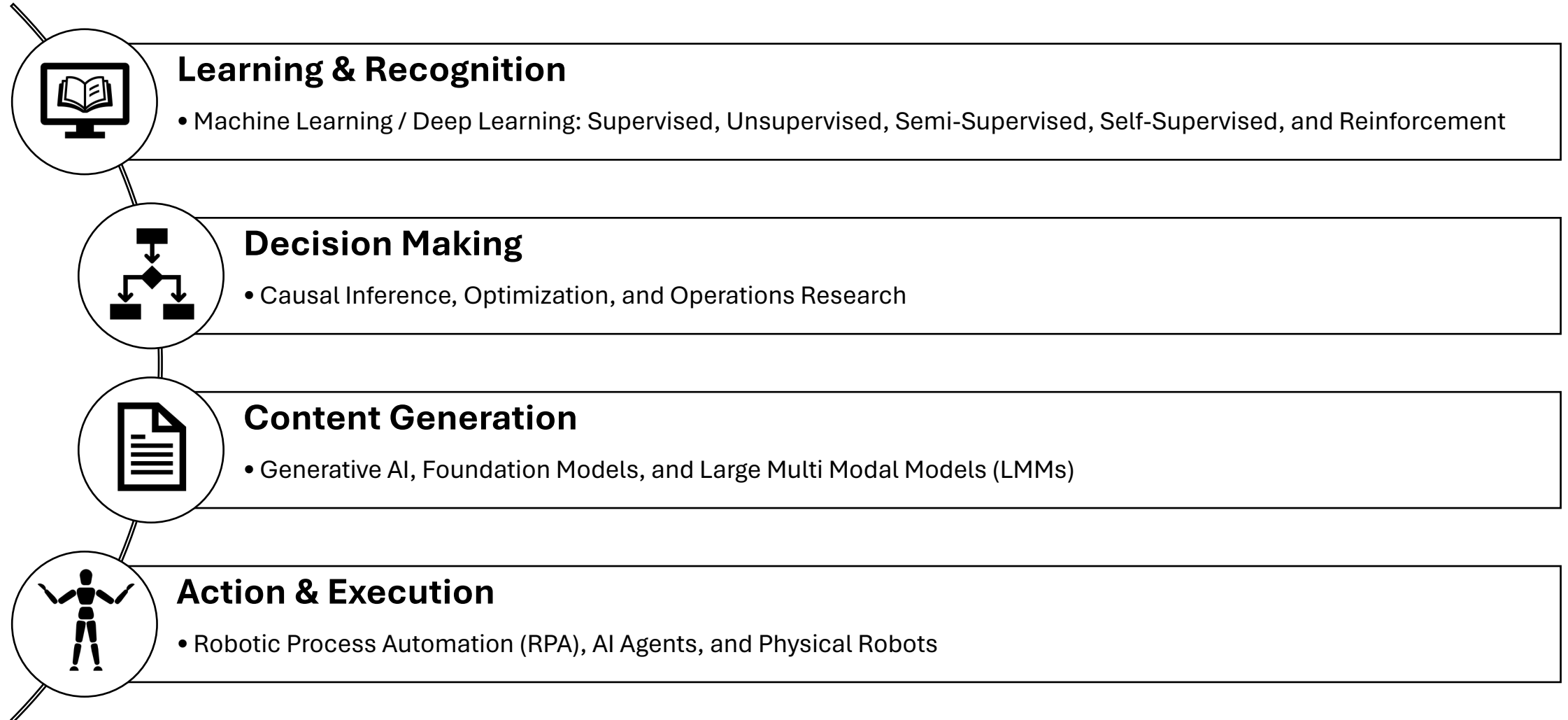
McGill



**MOST BUSINESS
ARE NOT
PATIENT WITH AI**

Buzz or Hype?

Humans vs. AI



Quick Wins are
Key to Achieve
Tangible Business
Benefits with AI





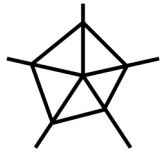
EXPERIMENT FIRST

Extract and sample production data

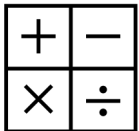
Leverage **Pre-built AI models** and **Fully Managed Machine Learning (ML) Services**

Build preliminary models to **test potential and feasibility**

PROVE THE VALUE



Identify **baselines** and **benchmarks**

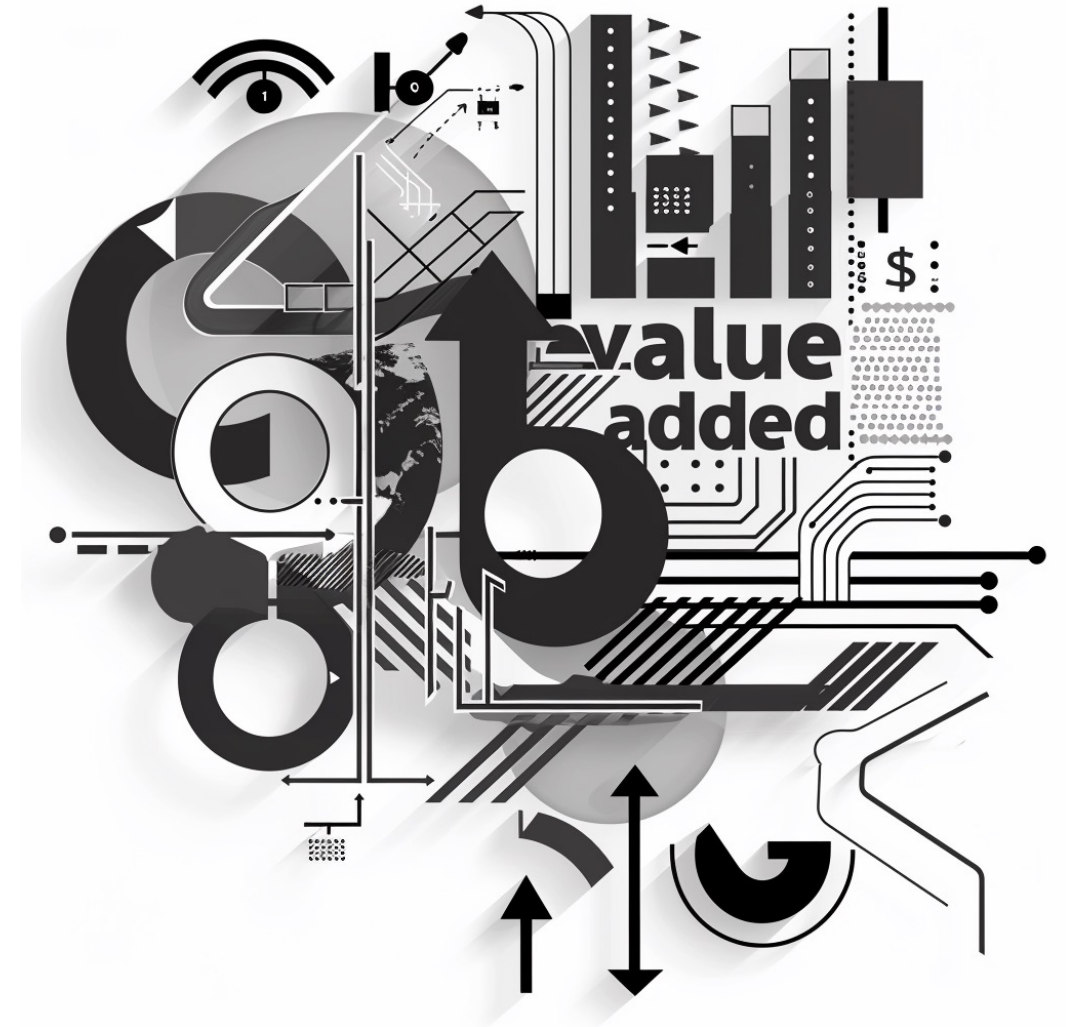


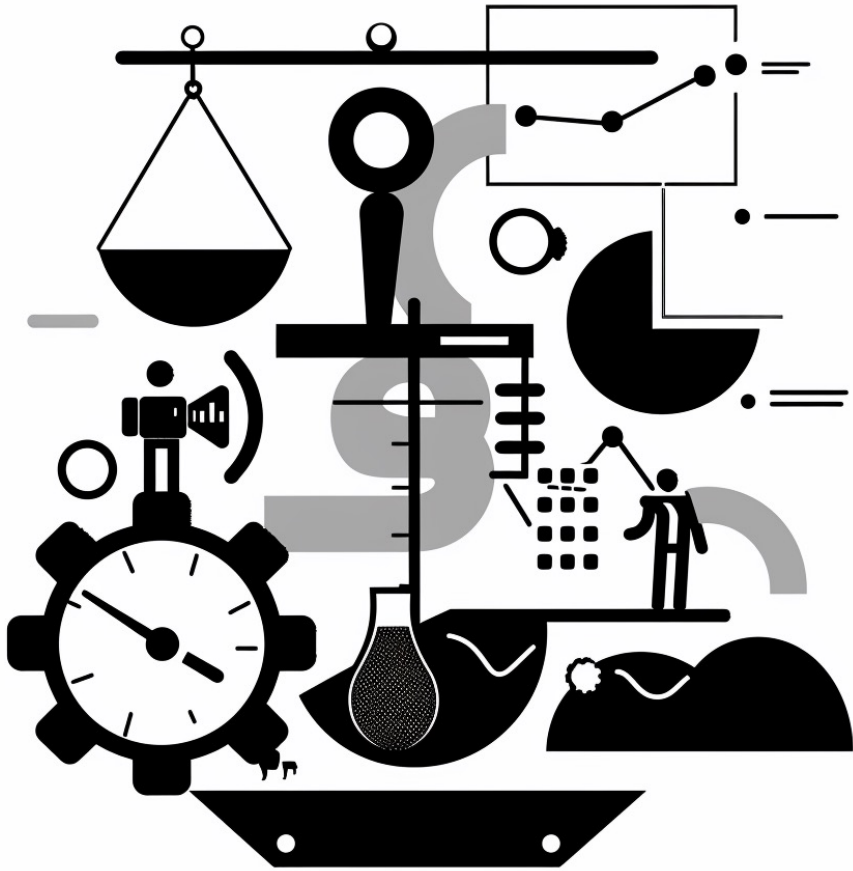
Quantify the **Uplift**

What is good enough?

FOCUS ON VALUE-ADDED

To **Align** with Business Objectives





AIM FOR IMPROVED DECISION-MAKING

Target Co Intelligence

Optimize impactful business objectives

Prescribe treatments



AN OPTIMAL PRODUCT TEAM



**Who should be part of
the AI Product team?**

**NO ONE WANTS
TO BE LEFT-OUT**



FOSTER AN INNOVATION CULTURE

Curiosity

Research & Growth Mindset

Diversity

Interdisciplinarity

ESTABLISH AI PRODUCT MANAGEMENT



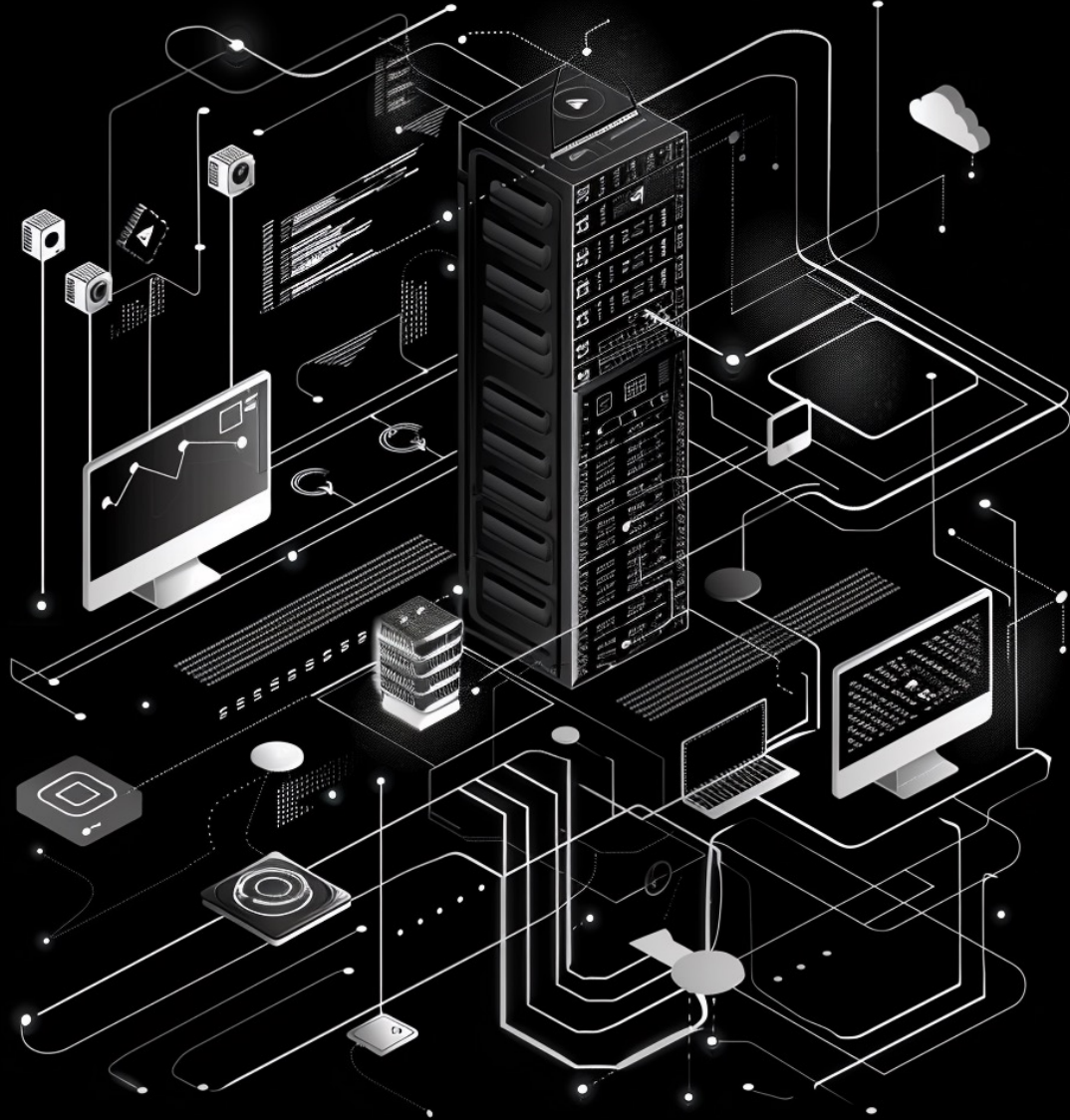
Appoint a Product Leader



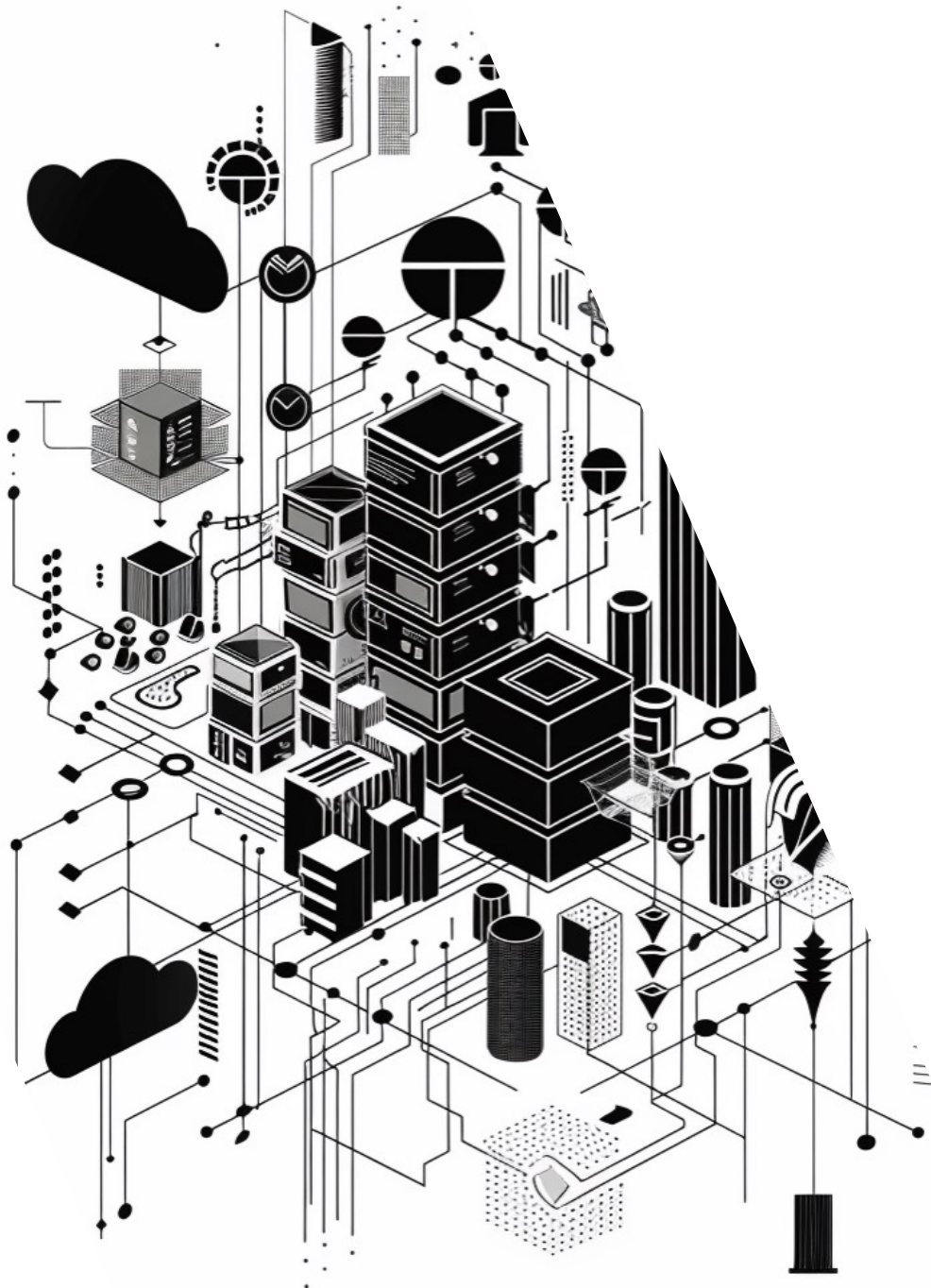
Avoid Feature Teams



Do not fall into Rigid Agile Trap



ESSENTIAL TOOLS & SERVICES



LEVERAGE CLOUD AND MANAGED SERVICES

To Enhance Scalability and
Reduce Initial Cost

ESSENTIAL TOOLS & FRAMEWORKS*

Data Processing and Analysis

- Pandas, Numpy, Scipy, PySpark, Data Pipelines, Seaborn

Machine Learning and Deep Learning

- Scikit-Learn, PyTorch, HuggingFace

Model Deployment and Monitoring

- AWS SageMaker, Azure ML, Databricks, and Monitoring tools

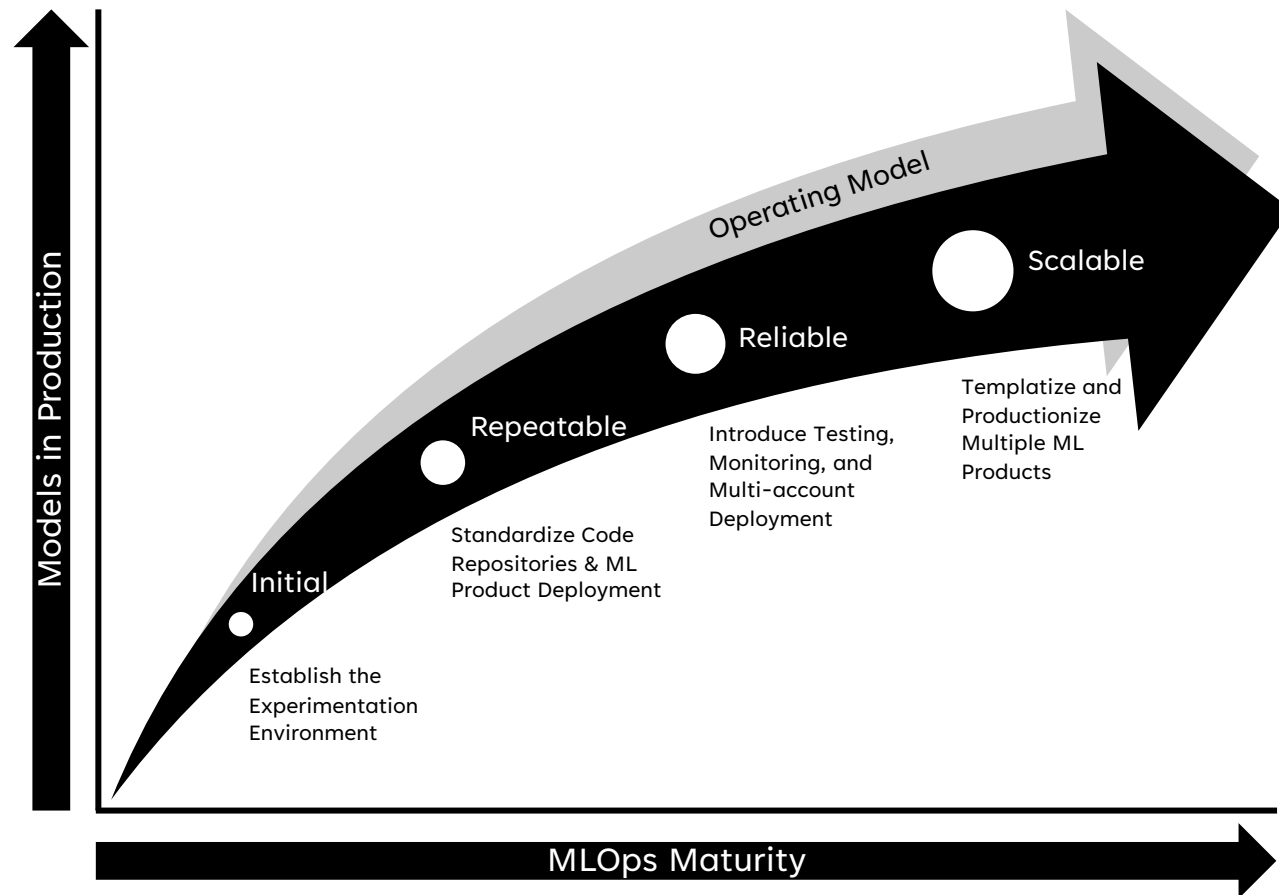
DevOps

- Git, Docker, CI/CD Pipelines, Observability, and Infra as Code (IaC)

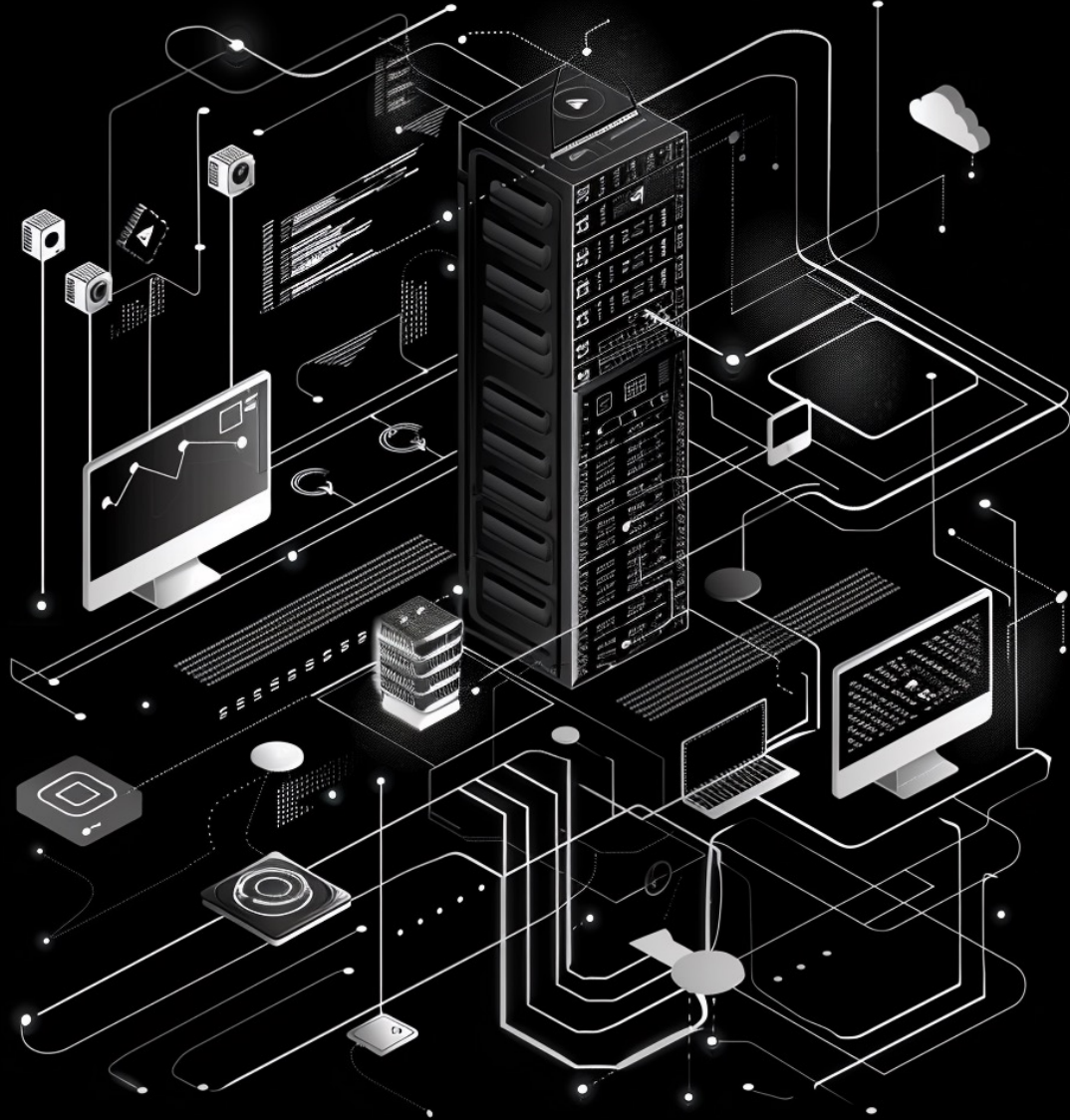
Gen AI

- OpenAI Assistants API, FastAPI, and Vector DB

* This is an opinionated list based on Fatih's experience

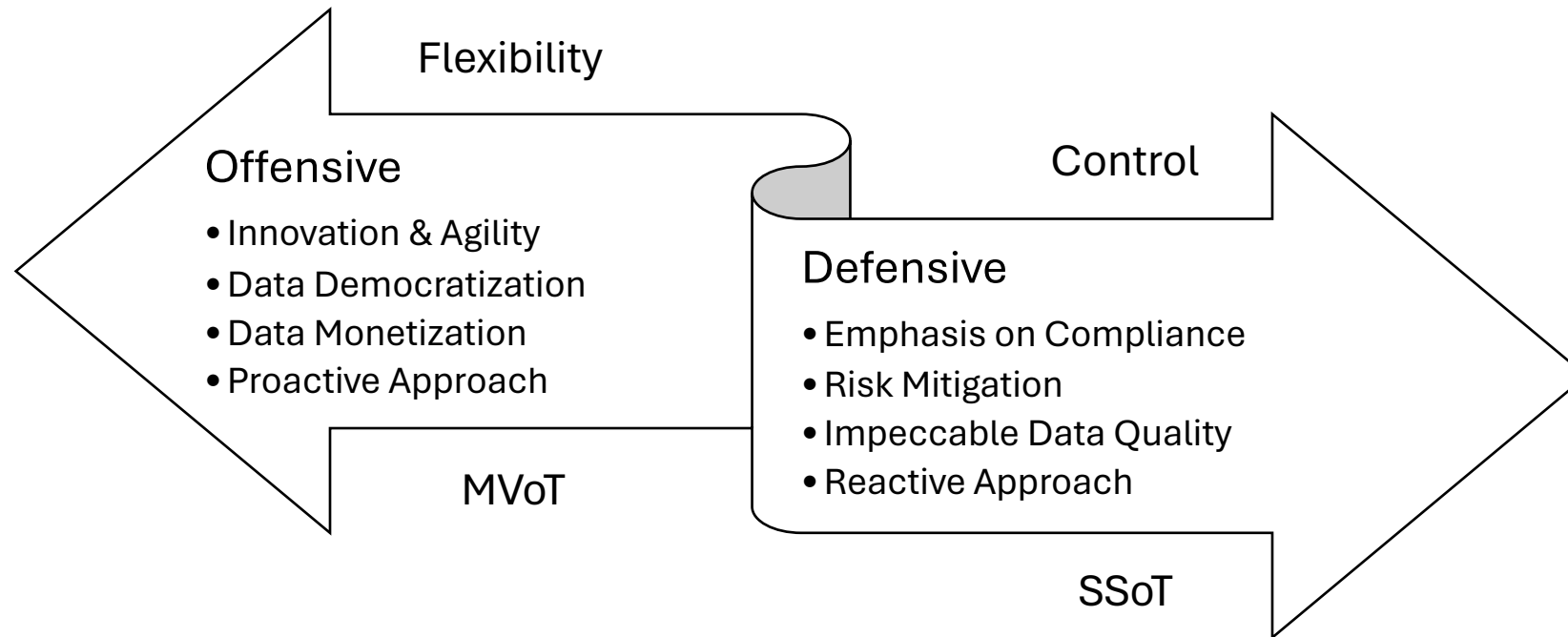


FOLLOW AN MLOPS MATURITY MODEL



GOVERNING DATA & MANAGING CHANGE

ESTABLISH DATA GOVERNANCE STRAT



SSoT: Single Source of Truth
MVoT: Multiple Version of Truth

EMBRACE TRANSPARENT AI

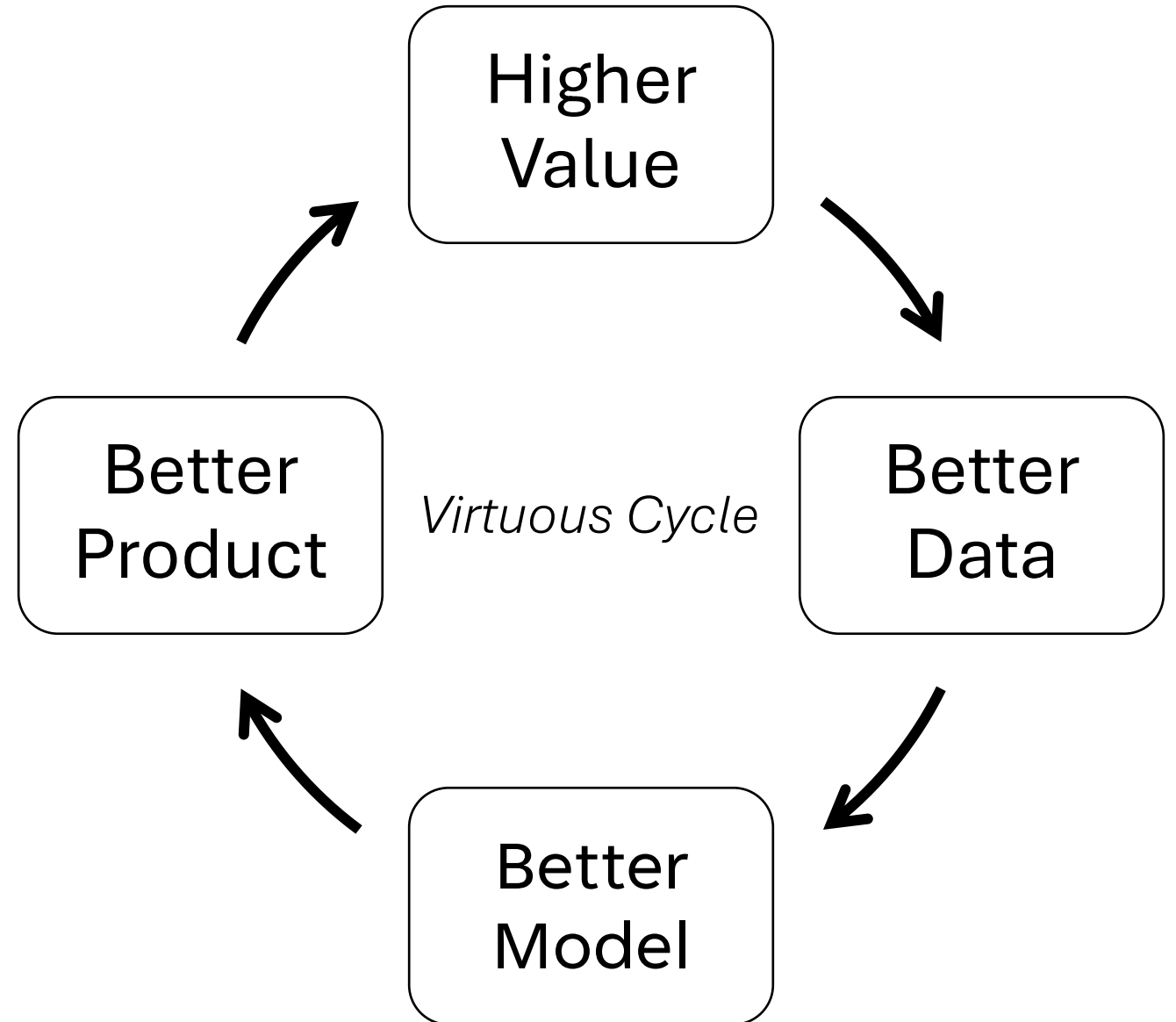
Establish a **Data & AI Literacy Program**

Practice AI responsibly, ethically, and transparently

Examine **Accuracy-Explainability Trade-off**

Address potential **biases** and **privacy** concerns

**BEWARE OF
FLYWHEEL
EFFECT &
ESTABLISH A
FEEDBACK
LOOP**



A series of white, thin, overlapping geometric lines and polygons on a black background, located on the left side of the slide.

THANK YOU!

Let's keep the conversation going

*“ChatGPT is not your AI strategy”
- Brian Evergreen*