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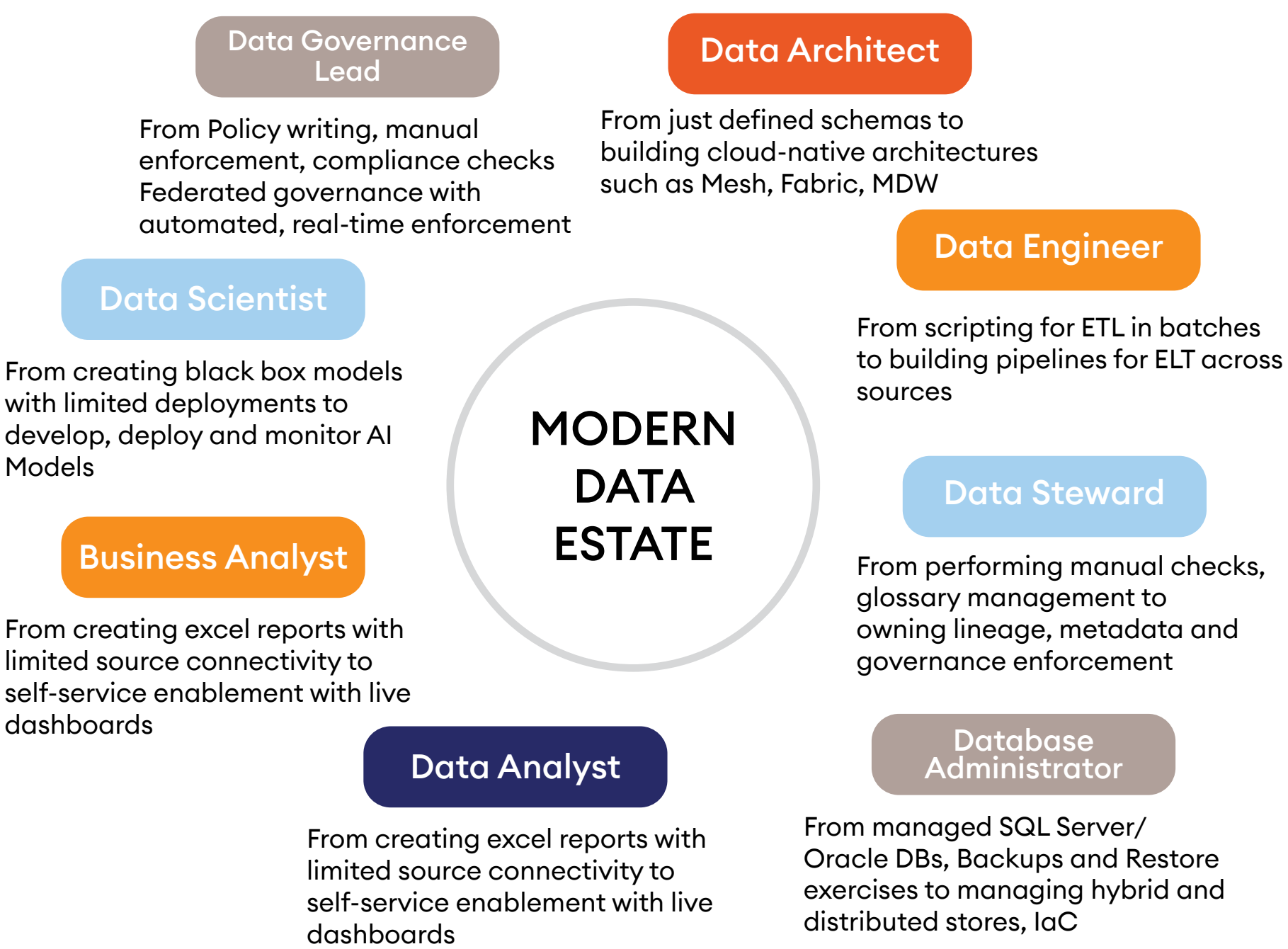# Navigating the Human Elements of Modern Data Architecture Roles

The critical role of modern data architecture in enabling AI success and driving measurable business impact

High-performing data organizations are **3x** more likely to report that their **data and analytics initiatives** contribute at least **20% to EBIT.**

72% of leaders agree that **data problems** are the most likely factor to **jeopardize AI/ML goals**

44% of leaders intend to implement data modernization efforts **in 2024 to take advantage of GenAI**

Modern Data Architecture Roles

MODERN DATA ESTATE

Data Governance Lead
From Policy writing, manual enforcement, compliance checks Federated governance with automated, real-time enforcement

Data Architect
From just defined schemas to building cloud-native architectures such as Mesh, Fabric, MDW

Data Scientist
From creating black box models with limited deployments to develop, deploy and monitor AI Models

Data Engineer
From scripting for ETL in batches to building pipelines for ELT across sources

Business Analyst
From creating excel reports with limited source connectivity to self-service enablement with live dashboards

Data Steward
From performing manual checks, glossary management to owning lineage, metadata and governance enforcement

Data Analyst
From creating excel reports with limited source connectivity to self-service enablement with live dashboards

Database Administrator
From managed SQL Server/ Oracle DBs, Backups and Restore exercises to managing hybrid and distributed stores, IaC

Launch Your Intelligent Data Journey with Argano

Discovery Phase
The discovery phase involves briefings and workshops to understand the impact of data on modernization for AI enablement. This phase helps identify quick wins and high-ROI use cases, creating alignment and a clear roadmap.

Assess & Plan Phase
The assess and plan phase charts a course to a modern data estate and develops actionable steps to unlock AI's power. It determines pain points, outlines business drivers, assesses organizational readiness, and curates a blueprint and roadmap.

Pilot Phase
The pilot phase validates Microsoft Fabric's value by implementing a real-world analytics use case. This phase provides hands-on experience and a roadmap for scaling Fabric across the enterprise.

Scale & Manage Phase
The scale and manage phase deploys and scales Fabric across the enterprise, establishing a Center of Excellence model. It also offers Managed Services to support data and AI solutions and drive continuous adoption.

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