slalom data & analytics

Synapse Analy



Only 13% of Data Science projects make it into Production.



# Game knows game.

Slalom has partnered with Microsoft to develop the industry's most comprehensive MLOps-enabled Advanced Analytics Framework, equipped to accelerate any Machine Learning initiative - like the 87% that have failed in 2019.

How did we do it? Let's find out.

# The only Machine Learning Platform you will ever need.

At Slalom, we excel at co-creating data-driven solutions rooted in our rigorous understanding of solution delivery and agile-oriented principles. Our partner Microsoft is an industry leader in all things Cloud, Data & Al. Together, our combined expertise brings the best-in-class Advanced Analytics Framework for Model Management and Development, implementing MLOps Best Practices using Azure managed services.

## 6 Pillars of MLOps

**Use Case Definition** 

Identify the problem

Gather requirements



Identify & Collect Process & Store Stakeholder discussions Explore

**Feature** Generation



Model

Extract Train & Optimize

Model Development





Unit Test Deploy

Model Monitoring **Pipeline** 

Monitoring

Alert

Optimize



Framework Selection Develop & Package Release & Configure Monitor Optimize

**End-to-End approach** 

# We got you covered.

Our Framework is built on state-of-the-art Azure services, catering to the full spectrum of end users - ranging from Code-First to Code-

1. Business Analysts, 2. Data Modelers, and 3. Seasoned Data Scientists alike.

# **End-to-End Model Management**

#### Monitoring & Alerts

Pipeline metrics dashboard Model metrics dashboard

# Model Serving

Containerization pipeline

## Release Automation

Infra-As-Code via Azure DevOps



# Automated Ingestion

Segregated Data Lake

#### **Automated Retraining**

Data-drift retraining trigger Incremental ingestion and retraining Gated model approval process

## **Experiment Reproducibility**

E2E experiment and run tracking lightly integrated services

#### **End-to-End Model Development**











Databricks

Azure ML AutoML

Cognitive

#### **Business capabilities unlocked**



# Alignment Stakeholder engagement

Transparency Focus on business value Agile development



#### Insights

Data insight ownership Governance driven culture Flexible, foundational models Reusable features



#### Standardization

On-demand experiments Process optimization Collaborative framework Monitorina & evaluation



#### Automation

Repeatable results Highly scalable Standardized processes Security & accessibility

We meet you where you are.

Fundamental Workshop: 8 hours

Maturity Assessment: 8 days

Full MVP Implementation: 8 weeks\*

\*This offer may be eligible for Microsoft and/or Slalom