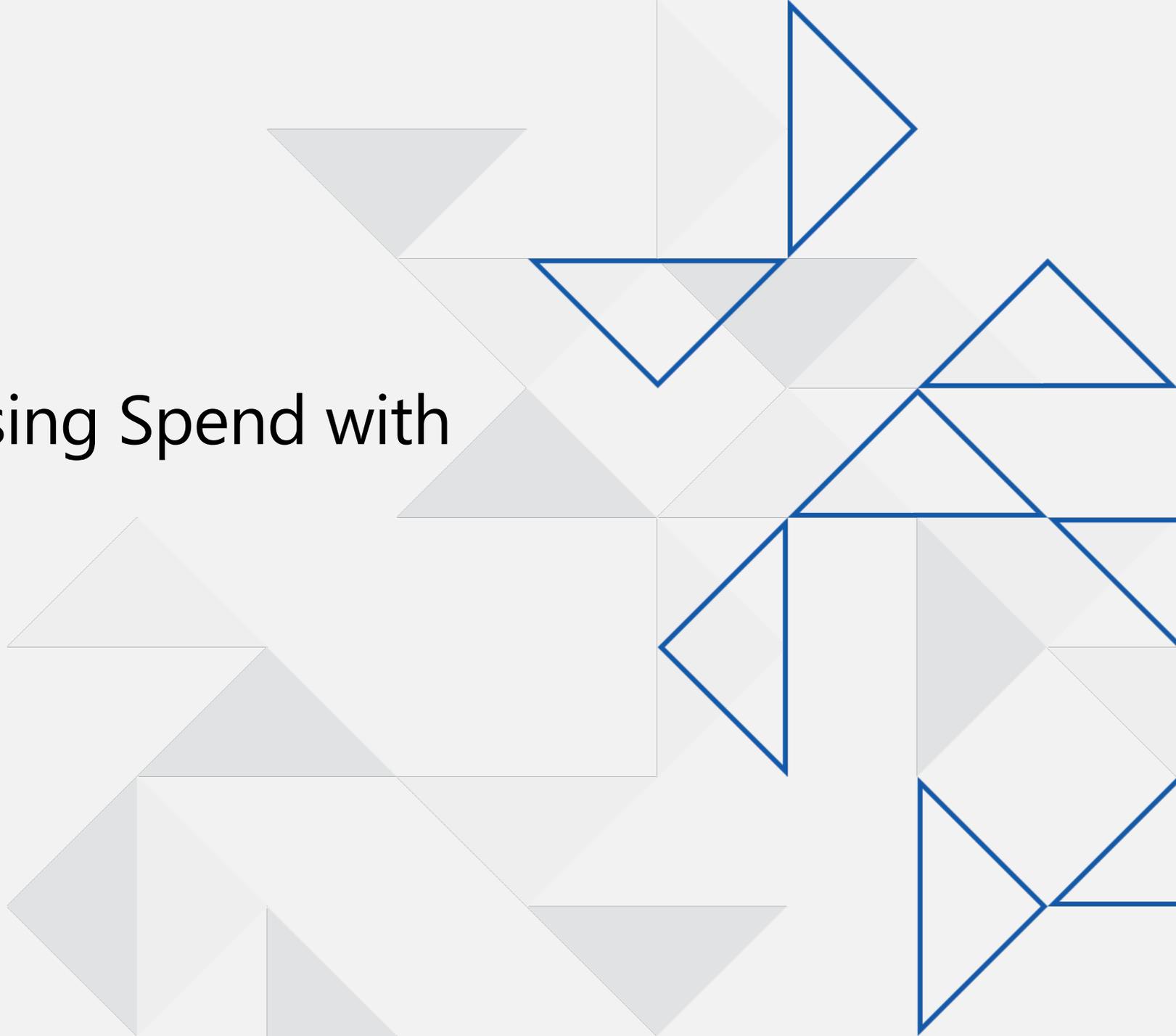




# Optimizing Advertising Spend with Azure Databricks

Architecture



# ■ Leverage Machine Learning + Databricks

## Data Preparation

## Machine Learning & Optimization

Spark  
Streaming

Spark

Spark MLlib



Raw Data (Bronze Table)

Clean Data (Silver Table)

Refined Data (Gold Table)

Feature Engineering

Train Machine Learning Models

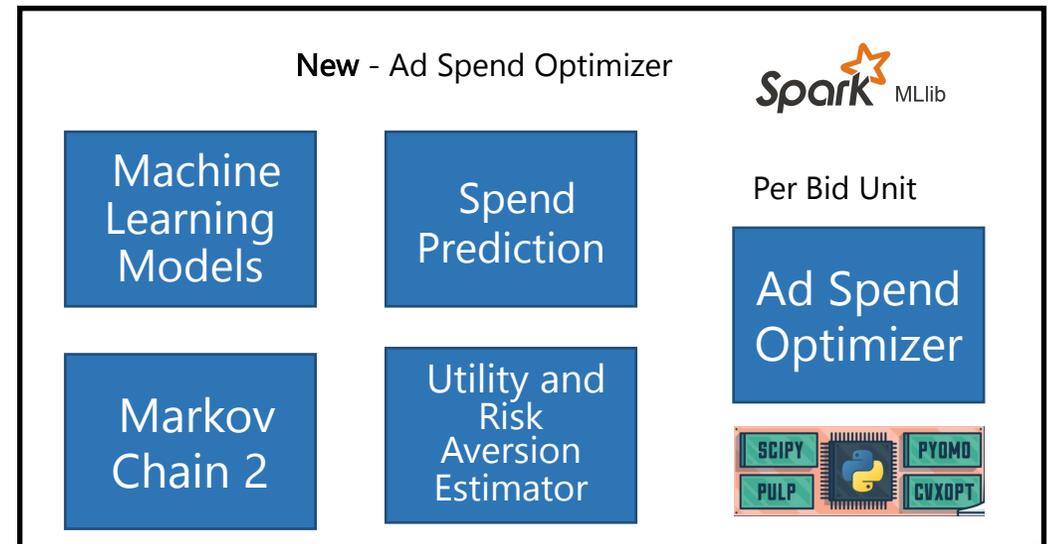
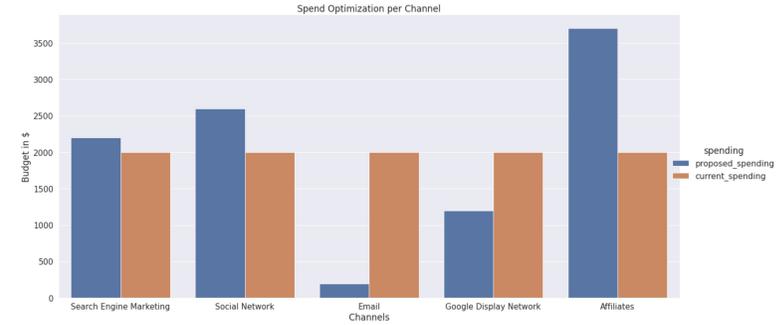
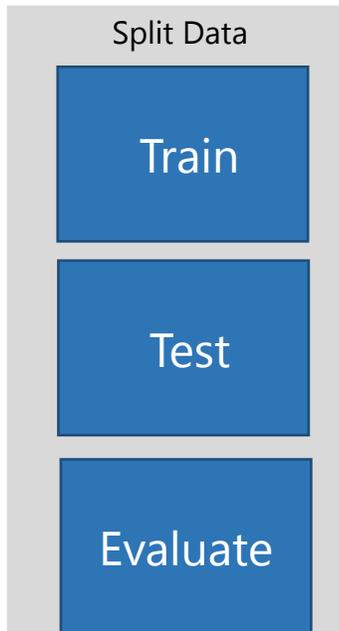
Optimize Ad Spend



### ■ Detailed Flow (Original)



### + Detailed Flow (New)



Steps in Customer Journey



Detailed Clicks, Spend and Revenue



Predictive Modeling & Data Engineering



Ad Spend Optimizer





Get started for free with our accelerator

Download the code at

<https://github.com/BlueprintConsulting/Blueprint-Databricks-Advertising-Spend-Optimization-Accelerator>

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