

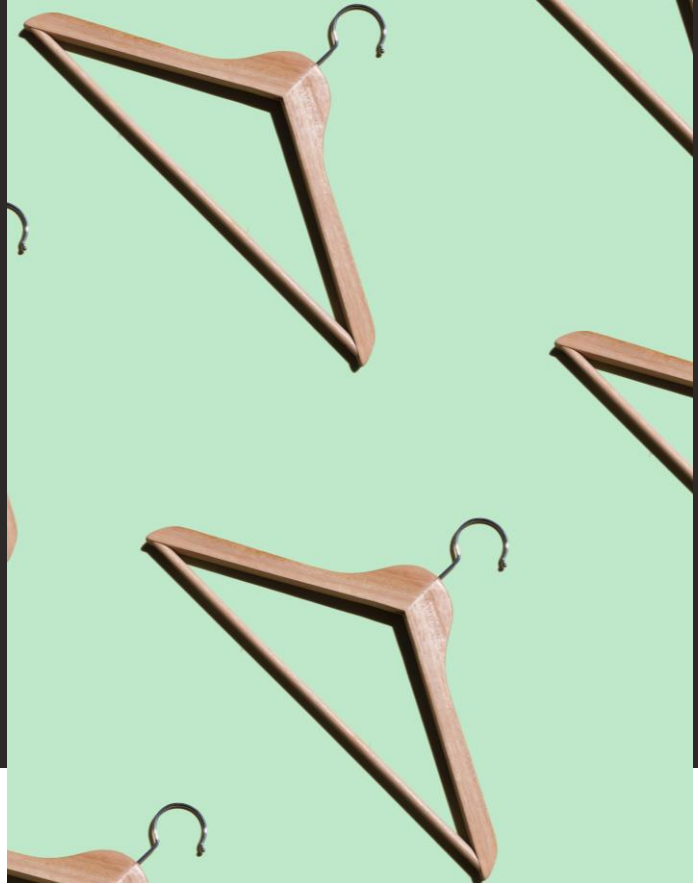
## Fashion & Home Decor Retailer

### Catalog modeling and report generation pipelines

A leading Fashion Retailer reached out to Tiger Analytics to drive their transformation initiative. Discover how Tiger overhauled the customer's data infrastructure, enhancing operational efficiency, and enabling data-driven decision-making across the organization.

## The Background

Our Client is a fashion retailer with an omni-channel presence, who wants to move their data and applications to AWS, develop a way to generate features and models from their data, and create a way to generate reports from those models. This would allow them to make better business decisions based on their data.



## Key Challenges

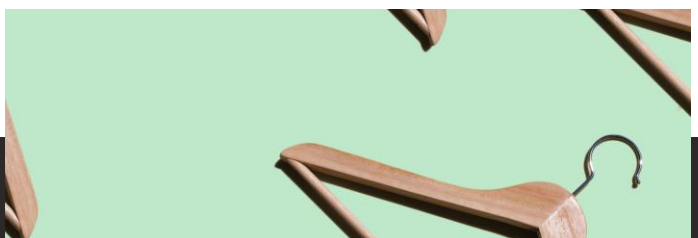


Absence of a robust data & ML pipelines in the data ecosystem

Manual generation of reports with periodic data refresh

Persistent Data Quality Issues

Data Audit is not available between source and target data



## Our Solutions



The client selected Tiger Analytics as a strategic vendor to develop feature engineering and model generation pipelines, business reports generation pipelines, and data ingest and audit pipelines.

The solution scope included:

- Working closely with business stakeholders and IT stakeholders to **drive strategic initiatives and tactical use cases**
- Redesigning and supporting the creation of **Data Ingestion pipelines with Data Audits.**
- **Creating the Feature Engineering** and model Training pipelines with serverless components
- Migrating the existing reports and creating **the insights generation pipeline based on schedules** and triggered events.
- Creating the CI/CD for **integration and deployment of Artifacts.**
- **Managing all the AWS cloud** components with IAAC Terraform.

## Tech Stack

/ AWS Lambda

/ AWS Glue

/ AWS Redshift

/ AWS S3

## Value Delivered



- **Developed a fully automated platform for catalog modeling** group – “Tiger Modelling Platform”
- **Built a Feature Library** with 2500+ features for Catalog Modelling
- **Simplified ETL pipeline** migration using AWS Glue.
- **Automation** of Daily/weekly/monthly business health executive reporting
- **Event Driven ETL pipeline** using AWS Lambda and SNS
- **Improved business** decision-making through data-driven insights
- **Helped significantly reduce the cost,** and complexity by moving away from the on-prem SAS reporting platform

## About Tiger Analytics

Tiger Analytics is a global leader in AI and analytics, helping Fortune 1000 companies solve their toughest challenges. We offer full-stack AI and analytics services & solutions to help businesses achieve real outcomes and value at scale. We are on a mission to push the boundaries of what AI and analytics can do to help enterprises navigate uncertainty and move forward decisively. Our purpose is to **provide certainty to shape a better tomorrow.**

Being a recipient of multiple industry awards and recognitions, we have 4500+ technologists and consultants, working from multiple cities in 5 continents.

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