

Analytics at HCLTech



Introduction

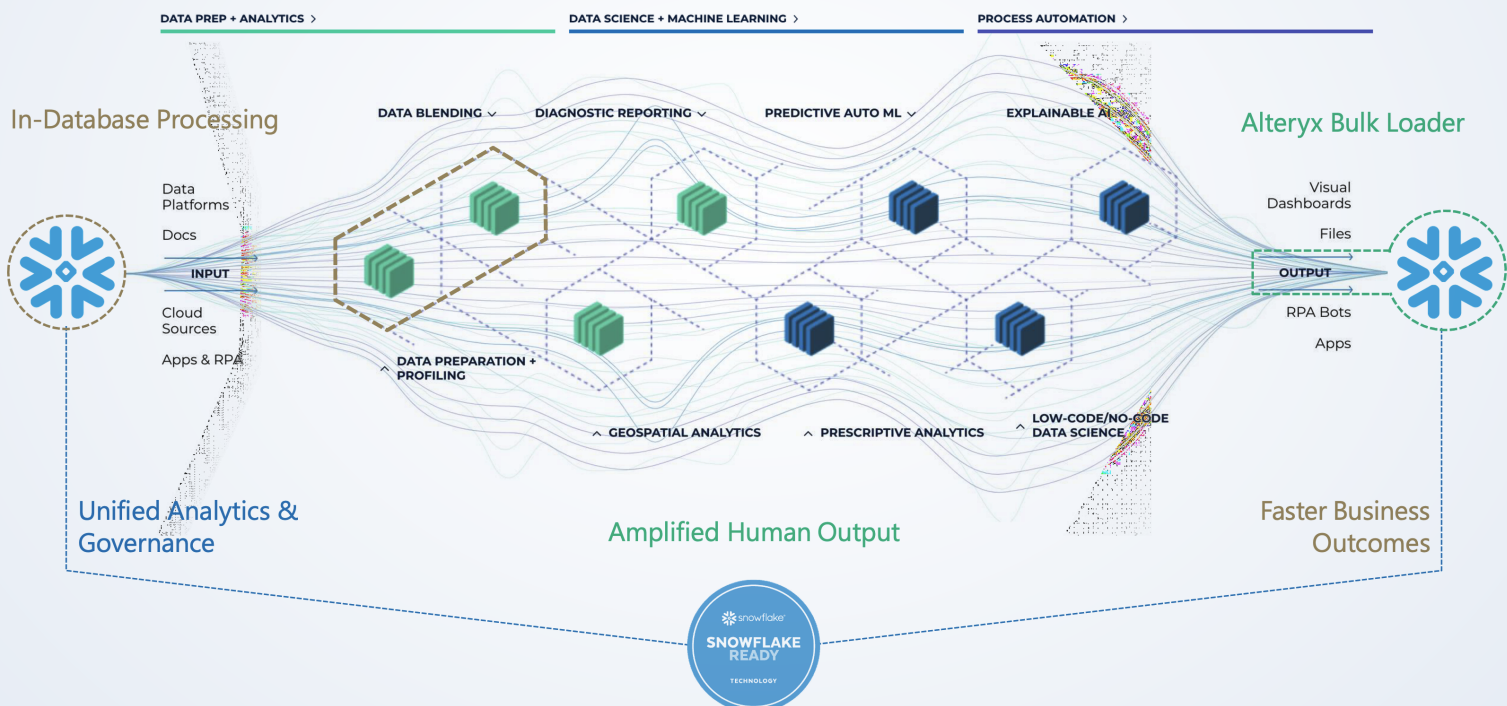
HCLTech's analytics practice combines the power of statistics, computer science, and visual analytics to provide best-in-class decision intelligence through a unified understanding of businesses, consumers, and the markets in which they operate. We work with clients to capture, transform, and analyze front-end and back-end datasets to reach business breakthroughs, seamlessly delivered through loosely coupled platform integration.

We bring decades of deep problem-solving expertise with a world-class team of PhDs in math and statistics to solve the problems our clients bring to us from across every industry. Insightful, creative, accountable solutions are at the core of everything we do. And we believe that collaboration is a major key to driving those solutions and ultimately our clients' success.



About the solution

HCLTech's Last mile solution: With Alteryx and Snowflake, HCLTech can build and perform automated analytics on a hosted analytics database faster than ever before. Puts ease of use and analytics in hands of business users. Allows users to access additional data sources and provides agility to extend analysis and insight in new directions



HCLTech's Demand forecasting solution: HCLTech's Demand forecasting approach on Alteryx uses data from various sources to ensure the right products are available in the right store at the right time. Using machine learning to improve forecast accuracy has a significant impact on optimizing the supply chain.



HCLTech's Smart RPA solution: With Alteryx and UiPath, HCLTech enables organizations can achieve end-to-end connectivity and alignment across departments in a way not possible before. Data can be extracted from various point solutions and delivered to predictive, machine learning (ML), natural language processing (NLP), and other advanced models to inform on risk, inventory, and customer sentiment.

ROBOTIC + ANALYTIC PROCESS AUTOMATION

UNLOCKING & ACCELERATING BUSINESS VALUE
 APA AUTOMATING ANALYTIC PROCESSES & OUTCOMES

RPA AUTOMATING HIGH VOLUME TASKS

Bots collect data from non-API sources example. Green Screen, Site Scraping, Unstructured Docs

Validate & Cross-reference

Bots Trigger an Automatic Alteryx Workflow

High Volume Repeatable Tasks

DATA QUALITY + PREPARATION

- All sources, 80+ inputs, all data types
- Drag-n-Drop Cleansing + Blending
- Interactive Exploration + Visual Profiling
- Inline Calculations + Transformations

What is happening?

alteryx

DATA ENRICHMENT + INSIGHTS

- Geospatial Analytics (Mapbox/TomTom)
- OCR + NLP
- Inline Descriptive Analytics
- Consumer + Business Insights (D&B, Experian)

What should happen?

DATA SCIENCE + DECISIONS

- Code-free Data Science
- Predictive Auto ML + Feature Engineering
- Code-Free Predictive + Prescriptive Analytics Model Ops +
- Governance

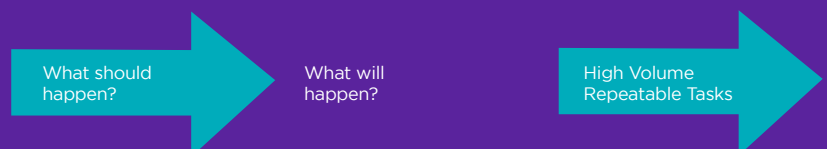
What will happen?

RPA AUTOMATING OUTPUT TASKS

Alteryx Automatically Triggers a Bot

Alteryx publishes to RPA and writes data out to systems without a connector e.g., inputting data from an analytics outcome into SAP such as 'predictive inventory'

High Volume Repeatable Tasks



Our Services

We take a science-based approach illuminating innovative solutions achievable to our clients through modern analytics and AI applications. Our work falls into four core services:



Data Science: Applying automated self-learning decision engines to answer business questions and solve complex problems



Advanced Analytics: Applying quantitative, qualitative, and behavioral methods to make complexity understandable and actionable

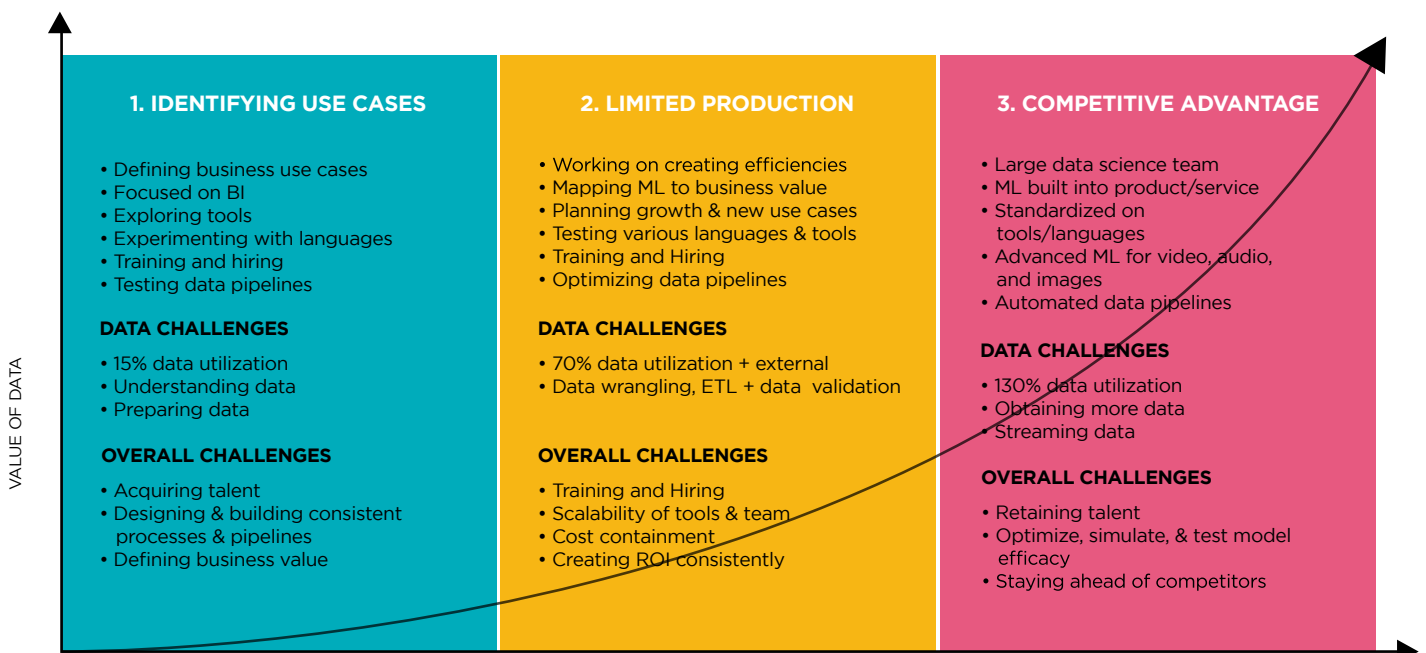


Visual Insights: Facilitating informed and rapid reaction to changes in behavior and predicting future behavior



Cloud & Big Data: Unifying omnichannel data and quantifying the value of user experiences

HCL's Analytics Maturity Matrix



The HCLTech + Alteryx Partnership

In 2021, HCLTech became an Alteryx Elite Alliance Partner and is the only Global Systems Integrator (GSI) at this partnership level. With 40+ certified professionals and counting, HCLTech collaborates with Alteryx to enable the Global 2000 to succeed in their analytics automation and digital transformation journeys via data-driven process automation and orchestration across distributed hybrid and multi-cloud environments.

Our Success story

A fortune 500 tool and hardware manufacturer

The Challenge:

A Company in need of data democratization

Our client is a US based company well known for its household hardware products and craftsman tools. The company was facing increasing difficulties from its lack of data infrastructure. With no platform-based approach, the company had no single source of truth and struggled with distributed usage and performance issues across the multiple data sources. Employees used an archaic, manual process to request data analytics and faced 4- to 12-week turnaround times to get the data they needed. The lack of data governance and data democratization was hampering business agility while impacting important operations like regulatory reports.

We worked with the client to develop an enterprise strategy to consolidate tools and position Alteryx as an enterprise-wide platform. HCL identified Alteryx as the right solution for this client. With Alteryx, we could quickly help the client's business 1) democratize data science, 2) develop their own use cases, and 3) move into self-service analytics.

The Impact: Infusing change management and data science for user adoption

To assist with streamlined and sticky user adoption, our approach included a data science sandbox for 300+ users to experiment and evangelize the Alteryx platform ahead of enterprise-wide deployment. We also partnered with Alteryx SMEs to develop analytics use cases including What If scenarios for on-time shipment and deliveries, margin resilience, and more across business units, to help the client realize faster ROI.

The deployment enabled a self-service platform that was fully governed and scalable, providing trusted and consistent data sources and removing the 4- to 12-week analytics request cycle in favor of on-demand data.



HCLTech | Supercharging Progress™

HCLTech is a global technology company, home to 219,000+ people across 54 countries, delivering industry-leading capabilities centered around digital, engineering and cloud, powered by a broad portfolio of technology services and products. We work with clients across all major verticals, providing industry solutions for Financial Services, Manufacturing, Life Sciences and Healthcare, Technology and Services, Telecom and Media, Retail and CPG, and Public Services. Consolidated revenues as of 12 months ending September 2022 totaled \$12.1 billion. To learn how we can supercharge progress for you, visit hcltech.com.

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