



# **Analytics and AI:** Accelerate your Data Driven Intelligence Transformation

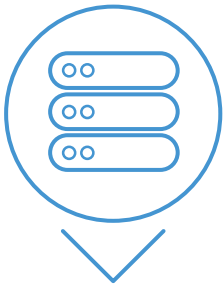
The AI transformation journey has accelerated from modernizing the data architecture for AI to scaling intelligent business processes.

Enterprises that thrive will prioritize core forecasting and insights to anticipate, plan, and optimize costs. Products will accelerate touchless devices and virtual experiences.

Analytics and AI services address key business use cases with solutions powered by machine learning, computer vision, natural language, and AI automation.

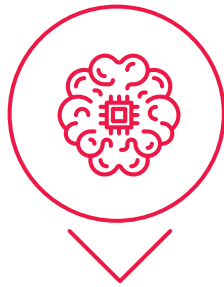
# Analytics and AI tackle top business challenges

Artificial Intelligence brings a new set of challenges to the organization from the acceleration of AI across all domains, data instrumentation, data management, knowledge, and expertise of AI, to the integration of intelligent business processes at enterprise scale.



## Data

Machines & Sensors are driving bigger and faster data. Companies struggle to mobilize their data for AI



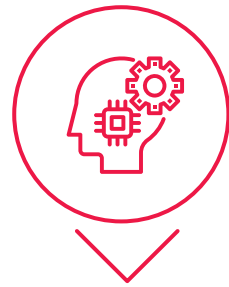
## AI Models

Businesses require expertise to develop, test, scale and implement models that bring business impact



## Trust

Data quality is the fuel for AI models and explainable AI are the new imperatives



## Automation

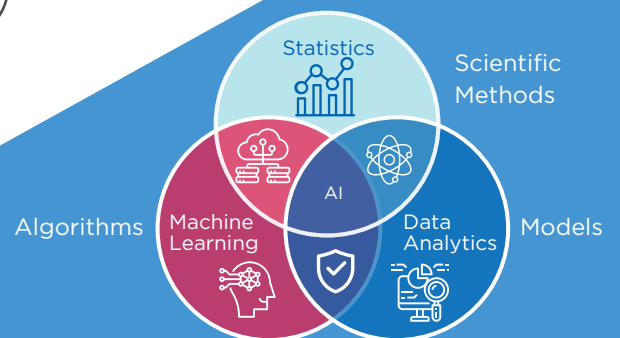
Automating intelligence into business operations realizes AI value at scale

Customers are empowered to focus on their core business. HCL's analytics and AI solutions address the key technology challenges enabling organizations to harness data and analytics intelligence to better manage information, automate processes, and create intelligent business operations.

# AI Solutions to Achieve Business Intelligence

We help customers harness data, which together with artificial intelligence helps drive the acceleration in business transformation.

Statistical data analysis	Forecasting	Predictive analytics	Pricing and procurement analytics
Machine learning and deep learning	Computer vision	Natural language understanding	Big data engineering
Conversational AI	Real-time and batch processing	Data quality and management	
Dashboards and Visualization	Personalization and Recommendations		
AI process automation			



# Analytics & AI Expertise You Can Count On

HCL is working with leading global organizations in helping them to identify unique opportunities through Analytics and AI. In doing so, we enable customers to see truths that enhance decision making, to build products and services that connect them with their customers more closely, and to deliver superior user experiences that are hard to match in the market.

We help harness data from various sources via multiple channels to generate automation, operational efficiencies, drive intelligent business decisions, security, enhance customer satisfaction, and ensure business performance.

Our Analytics and AI solutions are built with deep expertise and experience from across industry verticals – industrial, manufacturing, aerospace, medical, e-commerce, retail, energy, and consumer products.

# Analytics & AI Services

Analytics & AI services offerings support clients throughout their AI journey. In the early stages, consulting services define an AI and Data strategy designed to yield measurable business value. At the next stage, customers have data and need help developing AI models. Next, customers need help with scale and automation delivered through big data engineering services. After automation, Data Operations services, help customers manage the data platform for ongoing operations so they can focus on their core business rather than the technology.

AI-Analytics Consulting	AI-Model Development	Data Engineering	Data Operations
<p><b>Customer wants to define AI/Data Strategy</b></p> <ul style="list-style-type: none"> <li>• Define the problem to be solved</li> <li>• Identify value propositions</li> <li>• Prioritize use case</li> </ul>	<p><b>Customer wants a predictive model</b></p> <ul style="list-style-type: none"> <li>• Understand the key goals- cost, revenue, problems</li> <li>• Develop a model</li> </ul>	<p><b>Customer needs a data platform/ engineering</b></p> <ul style="list-style-type: none"> <li>• Understand the key goals:</li> <li>• Machine/sensor data, silos, SLAs</li> <li>• Performance, pain points</li> </ul>	<p><b>Customer needs data ops. management</b></p> <ul style="list-style-type: none"> <li>• Understand system, technologies, SLAs</li> <li>• Data Governance - data management, privacy</li> <li>• Performance</li> </ul>
<p><b>Outcomes</b></p> <ul style="list-style-type: none"> <li>• Data, AI/ML strategy</li> <li>• Model/Architecture</li> <li>• Roadmap</li> <li>• Prototype</li> </ul>	<p><b>Outcomes</b></p> <ul style="list-style-type: none"> <li>• Predictive Model</li> <li>• Computer Vision</li> <li>• Natural Language</li> <li>• Pricing Model</li> <li>• Recommendation</li> </ul>	<p><b>Outcomes</b></p> <ul style="list-style-type: none"> <li>• Data architecture</li> <li>• Real-time or Batch process automation, containerization</li> <li>• Technology roadmap</li> <li>• Data lake/Data Platform</li> </ul>	<p><b>Outcomes</b></p> <ul style="list-style-type: none"> <li>• L2/L3 Support</li> <li>• Automation for efficiencies &amp; performance</li> <li>• Monitoring and Alerting</li> <li>• Privacy/Security</li> </ul>





# Why choose HCL Analytics and AI?

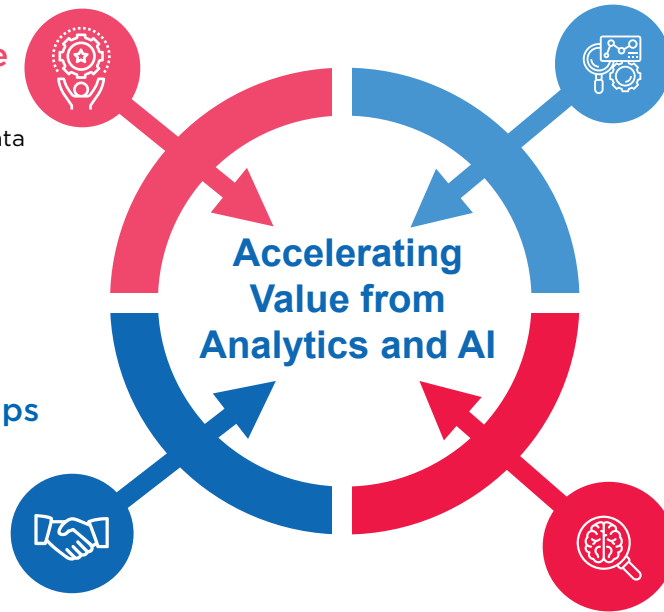
AI brings a new set of challenges to the organization from data instrumentation, data management, knowledge and expertise of AI, to integration of intelligent business processes to enterprise scale.

## Skills and Experience

- Expertise:
  - 750+ Big Data, AI/ML, Data Science
  - Analytics & AI COE, and delivery verticals
- HCL BRAND: 40+ years of engineering R&D product development services

## Strategic Relationships

- Optimized AI realization
  - NVIDIA certified delivery partner
  - Intel AI builder partner
- Hybrid Clouds:
  - GCP, AWS, AZURE, IBM
- 40+ Clients



## Analytics Services

- Analytics and AI Offerings Catalog
- Solution discovery
  - Market research, Design Thinking, and Lean best practices
- Agile solution scale and quality
- Flexible engagement models with onshore and offshore delivery

## Assets and Accelerators

- AI/ML Reference Models
- Laboratories:
  - NEXT.ai Lab, IoT Collab, Cognitive Intelligence Lab
- AI and Data Accelerators

HCL applies an arsenal of skills, experience, assets, best practices, and partnerships to overcome the AI challenges and significantly accelerate AI transformation.

Prebuilt AI reference models, data accelerators, and co-creation AI laboratories accelerate time to value.

Strategic partnerships with leading AI computing architecture OEMs enable intelligence at the edge and powerful AI workflows on cloud and on-premises. HCL offers an analytics service catalog to help companies at all stages of the analytics life cycle and to address important business use cases. Best practices from Market Research, Design Thinking, Lean, and Agile are applied to ensure successful outcomes. The HCL engagement model offers flexibility to ensure value delivery compatible with customer needs.



HCL Technologies (HCL) empowers global enterprises with technology for the next decade today. HCL's Mode 1-2-3 strategy, through its deep-domain industry expertise, customer-centricity and entrepreneurial culture of ideapreneurship™ enables businesses to transform into next-gen enterprises.

HCL offers its services and products through three lines of business - IT and Business Services (ITBS), Engineering and R&D Services (ERS), and Products & Platforms (P&P). ITBS enables global enterprises to transform their businesses through offerings in areas of Applications, Infrastructure, Digital Process Operations, and next generation digital transformation solutions. ERS offers engineering services and solutions in all aspects of product development and platform engineering while under P&P. HCL provides modernized software products to global clients for their technology and industry specific requirements. Through its cutting-edge co-innovation labs, global delivery capabilities, and broad global network, HCL delivers holistic services in various industry verticals, categorized under Financial Services, Manufacturing, Technology & Services, Telecom & Media, Retail & CPG, Life Sciences, and Healthcare and Public Services.

As a leading global technology company, HCL takes pride in its diversity, social responsibility, sustainability, and education initiatives. As of 12 months ending on December 31, 2019, HCL has a consolidated revenue of US\$ 9.7 billion and its 149,173 ideapreneurs operate out of 45 countries. For more information, visit [www.hcltech.com](http://www.hcltech.com)



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