

# Welcome to the Age of Data Analytics and AI

Data analytics and AI is a powerful strategy to identify efficiencies, optimize processes, achieve cost efficiencies and improve operational performance

# CGI



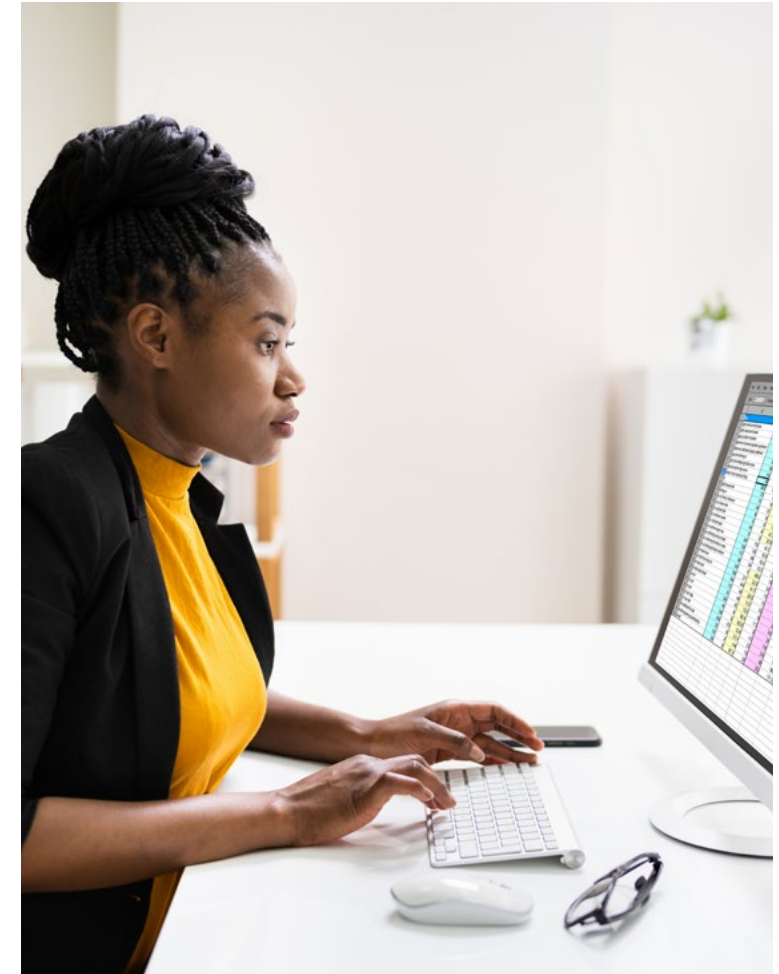
# Data analytics and AI

Fact: Proliferating technological breakthroughs are and will continue to disrupt all aspects of how we live and work.

The Covid-19 pandemic forced an acceleration of digital transformation that was already well underway. For more than a decade, the rise of the knowledge economy, cloud computing, machine learning and digitization have set the stage for organizations across industries to generate and collect vast amounts of data, and for that knowledge and power to be widely dispersed.

During this period, data went from being controlled by large organizations and stored in data warehouses to taking up residence in the cloud, making data available for collaboration and cross agency problem solving as well as enabling more public communication and interaction. Just think about all the data you carry with you on your smartphones and devices and all the actions and decisions this data supports.

If the foundation for digital transformation is data, then data analytics and AI is the essential technology that will help organizations realize their full potential through more precise evidence-based decision making. It's what will help businesses and organizations gain actionable business insights that will help create efficiencies, improve customer experience, drive performance and open the door to new opportunities and revenue streams.



# Data analytics and AI

Put simply, data analytics and AI is the process of using quantitative methods to derive meaning from raw data; and brings this process closer to business, operations and the public for informed decision making.

One of the more exciting shifts in the field of data analytics and AI is the evolution away from relying on localized systems and historical actions. New and emerging technologies now make it possible to source, collect and apply data science to huge data sets coming from connected IoT devices, for example, in real time. The insights pave the way to understand the behavior behind actions in order to drive future behaviors.

It's an exciting time as data analytics and AI are finally at a point in their evolution where it can create real value for organizations ready to put it to use.

## Key trends that will impact data analytics leaders

- **Chief Data Officer (CD) embeds data analytics and AI in business strategy.** According to research firm Gartner, boards and CEOs have prioritized data analytics and AI as their top two technology priorities to emerge stronger from the pandemic.
- **Data literacy increases.** Data literacy is not about turning everyone into a data scientist. It is about developing a common understanding of what goals and outcomes are important across the organization.
- **Data analytics and AI is the foundation for personalized and evidence-based change management.** Base your data analytics and AI strategy on collaboration, cooperation and problem solving. Spread the word about how data analytics and AI can help drive business outcomes.

# How we can help

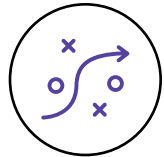
Our team of multidisciplinary engineers, data scientists and futurists are passionate problem solvers grounded in technology and science.

We partner with our clients across industries wherever they are on their journey to become data-driven. We co-create data, analytics, machine learning and AI strategy to help drive organizational objectives and identify opportunities to achieve better outcomes. More than setting strategy, we have the expertise to develop innovative data and AI solutions and to help you pilot, integrate, and execute. We can help your organization adopt a data mindset.



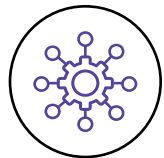
CGI's team of thought leaders understand current and emerging trends in data analytics. More importantly, we know how to use data analytics to derive the insights that will improve performance, drive efficiencies, and support ongoing improvement. We can help you understand the present, predict the future, and make positive change.

# What we do



## Strategy development

We partner with organizations to create a digital strategy roadmap that makes sense of data, takes it out of silos, and puts it to work to help you make better decisions.



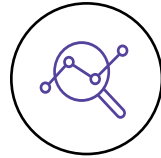
## Operationalization of data across the organization

Once the value and models for data are understood, we help you gain quick access to the data you need to address business issues by automating data capture and implementing interactive dashboards and technologies.



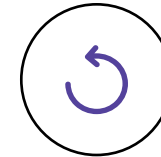
## Build insights and information products and ecosystems

Advance data-driven decisions that improve outcomes, reduce costs, and drive process efficiencies. For example, we use AI and RPA to improve workflow and productivity.



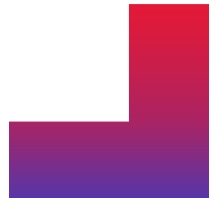
## Design, leverage, and implement AI and ML capabilities to gain data insights

We can help uncover non-obvious relationships and patterns buried in the data to provide new perspectives and to accelerate processes such as procurement and finance, for example.



## Create a 360-degree view of your organization and leverage enterprise view on business and operational impacts

We use enterprise data, advanced analytics and AI/ML to provide a cohesive, holistic view of all aspects of operations and patient care.



# What we do



## Track, monitor and measure performance

We use data analytics and AI to establish benchmarks and metrics to measure incremental success and added value.



## Create the framework for ongoing improvement and capacity building

We use Machine Learning to continuously learn from historical data and user decisions. In this way, we enable you to further optimize processes, insights and recommendations.

The need to digitize and implement emerging technologies such as machine learning, AI and data analytics took on an added urgency during the Covid-19 pandemic as organizations were forced to move to remote work. The accelerated move to digital transformation and adoption of these technologies is positioning industries for the future. But only if organizations are able to adopt a data culture and harness the power of the data they are collecting to make better decisions. CGI is a leader in the field of data analytics and can provide an end-to-end solution, from developing strategy to innovating solutions to implementation and execution, all while helping coach you to develop internal capacity.





## About CGI

### **Insights you can act on**

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world.

We are insights-driven and outcomes-based to help accelerate returns on your investments. Across hundreds of locations worldwide, we provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

[cgi.com](https://www.cgi.com)

