



AI Masterclass: Recalibrate Your AI Impact – Insights From 230 AI Use Cases Across Industries

Digital Services

October 2019: Complimentary Abstract / Table of Contents

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- Benchmarking | Pricing, delivery model, skill portfolio
- Peer analysis | Scope, sourcing models, locations
- Locations | Cost, skills, sustainability, portfolio – plus a tracking tool
- Tracking services | Service providers, locations, risk
- Other | Market intelligence, service provider capabilities, technologies, contract assessment

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Background and scope of the research

Artificial Intelligence has been around for a long time but it is only in the past decade that we have seen an explosive adoption of AI across all industries, functions and geographies. Algorithmic advancement, lower investment costs and the advent of big data together have made it easier for enterprises of all sizes to invest in building AI use cases across different functions of the organization.

AI has seen a diverse adoption across industries, with technology intensive and customer facing industries leading the pack. Enterprises have been using AI to achieve different outcomes as per their needs starting from an intent to increase the overall efficiency and going all the way up to the evolution and advancement of their domain as a whole.

We analyzed 230 large enterprise class AI adoption use cases and in the latter part of the report, we have identified 38 unique use cases of AI across different industries and mapped them on our AI impact framework.



In this market report, we analyzed 230 AI use cases for Forbes top 50 leading enterprises to identify AI adoption trends and future investment areas.



4Es of AI impact framework



Framework for AI adoption

Scope of this report:



Geography
Global



Industry
Pan industries with a focus on five major industries, BFSI, healthcare and lifesciences, manufacturing, CPG & retail and technology & communication



Companies
Market activity, investments and use cases of the Forbes top 50 global enterprises



Use cases
230 large enterprise class AI adoption use cases have been analyzed in this report

Source: Everest Group (2019)

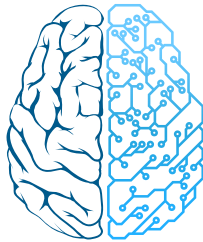
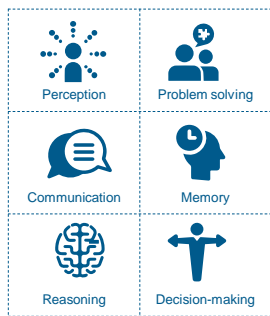
Artificial Intelligence is the overarching theme that forms a part of every enterprise strategy to realize increased business impact across

Defining Artificial intelligence

Artificial Intelligence

Ability of a machine to perform cognitive* functions and replicate the functioning of the human brain

Different functions of the human brain



Types of Artificial Intelligence

We have been able to achieve artificial narrow intelligence, wherein AI systems are focused on one specific task and are able to replicate human functioning in that particular task only

Artificial Narrow Intelligence

Machine intelligence working well only within a specific domain for which they are built (also known as weak AI)

Artificial General Intelligence

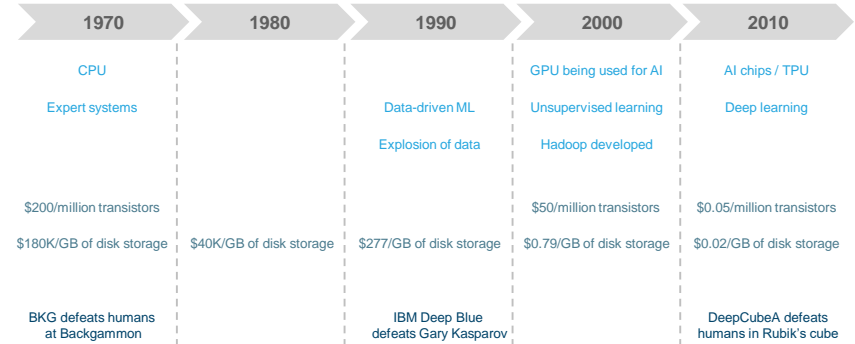
Machine intelligence matching up to human intelligence in a variety of tasks and problems (also known as strong AI)

Artificial Super Intelligence

Machine intelligence not just matching up but also surpassing human intelligence in every domain

What led to the explosion of AI as we know it

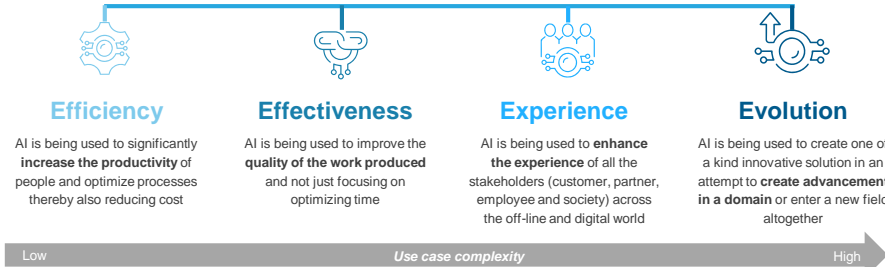
Lower costs + Tech advancement + Milestones



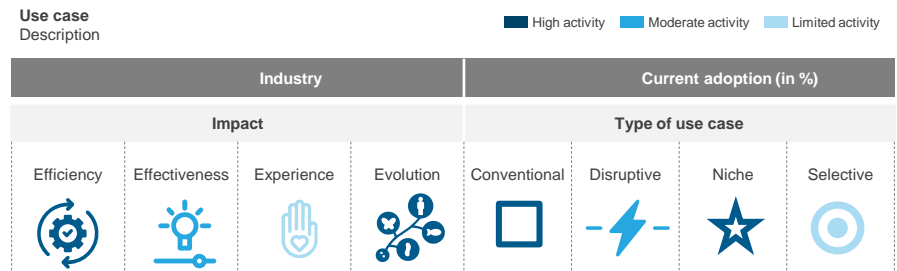
Everest Group's AI business impact framework



4E AI business impact framework



Analysis of 230 AI use cases



Research calendar – Digital Services

Published
 Planned
 Current release

Flagship Digital Services reports	Release date
Digital Services – Annual Report 2018: Future Operating Model to Scale Digital	July 2018
IoT Services Annual Report 2018	August 2018
IoT Services PEAK Matrix™ Assessment and Market Trends 2018	December 2018
Digital Services PEAK Matrix™ Assessment and Market Trends 2019	December 2018
Digital Interactive Services PEAK Matrix™ Assessment and Market Trends 2019	Q4 2019
Blockchain Services PEAK Matrix™ Assessment and Market Trends 2020	Q4 2019
Connected Ecosystem Services PEAK Matrix™ Assessment and Market Trends 2020	Q4 2019

Thematic Digital Services reports	
Design Thinking: Innovation Catalyst for Digital Transformation	July 2017
Enterprise Bots Adoption	July 2017
BigTech Battle: Leading Internet of Things (IoT) Platforms Assessment – A Selection Guide	October 2018
Customer Experience Trailblazers – Experience Spearheading the Digital Economy	February 2019
BigTech Battle: Digital Experience Platforms Assessment – Rise of the Digital Experience Platform.....	June 2019
AI Masterclass Recalibrate Your AI Impact – Insights From 230 AI Use Cases Across Industries	October 2019
Emerging Technology Trailblazers	Q4 2019

Source: Everest Group (2019)

Additional Digital Services research references

The following documents are recommended for additional insights into the topic covered in this report. The recommended documents either provide additional details or complementary content that may be of interest

1. **AI Stands to Make IT Infrastructure Services “Invisible”** ([EGR-2018-29-R-2720](#)): About 72% of the enterprises cite IT infrastructure services as a key hurdle in becoming a digital first enterprise. Most enterprises believe their infrastructure services are not moving fast enough to support and drive the future of business. Expectations on infrastructure alignment with business have been around for ages. However, to date, enterprises have not had a meaningful mechanism in place to drive this alignment. “Aware” automation is a concept wherein automation systems are underpinned by AI and analytics, making them conscious of the environment and helping to drive self-configuring, healing, and evolving IT infrastructure services
2. **Scaling Artificial Intelligence Adoption – A Practical IT Guidebook** ([EGR-2018-0-V-2734](#)): Artificial Intelligence (AI) is now at the cusp of mainstream enterprise adoption, given a significant number of successful initiatives undertaken by proponents of AI including enterprises, service providers, and technology players. The AI adoption journey is set to fundamentally redefine the role of IT. The IT function will need to work closely with business to establish itself as an enabler, a governor, and the eventual flag bearer for enterprise AI initiatives. Cross-pollination of skills and responsibilities will lead to extensive blurring of lines between business and IT in the long run – an impending change that IT function needs to brace for
3. **Enterprise AI Adoption Playbook** ([EGR-2019-33-V-3167](#)): Enterprises are recognizing the value of AI as a competitive differentiator and value creator, and many are already investing in AI. In our recent survey of IT heads of 200 global enterprises, 65% have already invested in some AI project. However, while interest and investment are high, AI is far from pervasive in most enterprises’ business strategies. In fact, more than 80% of the enterprise executives told us that they were unable to adopt AI at scale or achieve any significant business outcomes. Lack of talent, poor data management, and misalignment with the business context are some factors that act as barriers to enterprise wide AI adoption. Other issues such as change management and failure in early projects are some other factors that are forcing enterprises to take a highly risk averse approach towards their AI investments.

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