



Gartner's 5 Predictions and Habits for the Future & Success of AI Technologies

How to develop AI into a core business competency is an important question for C-level Executives. Boards of directors, CEOs, and customers want to use AI to power real improvements in enhancing experiences across business functions. Enterprises need diverse teams, executive sponsorship, process wise proofs of concepts, and a trusted expert for deploying the strongest artificial intelligence (AI) programs successfully. Gartner's five predictions & habits is captured as an essence for executives following the rapid evolution of AI tools and techniques, value realization and to successfully master production AI.

#1 - AI will drive infrastructure decisions

AI models will need to be periodically refined by the enterprise IT team to ensure high success rates. This might include standardizing data pipelines or integrating machine learning (ML) models with streaming data sources to deliver real-time predictions.

#2 - Manage increasing complexity of AI

techniques through collaboration One of the top technology challenges in leveraging AI techniques like ML or deep neural networks (DNN) in edge and IoT (Internet of Things) environments is the complexity of data and analytics. Successfully deploying production AI in such environments will require close partnership between the business and IT.

#3 - Simple ML techniques most sensible

Through 2022, more than 75% of organizations will use DNNs for use cases that could use classical ML techniques. Successful early AI adopters leveraged pragmatic ML solutions to deliver business value.

#4 - Cloud will be a key part of your strategy

Strategic use of cloud technologies like cognitive APIs, containers and serverless computing can help simplify the complicated process of deploying AI. By 2023, cloud-based AI will increase 5X from 2019, making AI one of the top cloud services.

#5 - AI will automate critical business processes

By embracing AI augmented automation, IT teams can better learn the skills of AI and position themselves to have more effective partnerships with peripheral business units resulting in higher IT productivity with greater agility and scalability.

Habit No. 1: Use mixed-role AI teams for every AI project

These organizations strongly believe that aligning AI to business initiatives is a way to deliver value. Both the diversity of the team and how that variety is applied across all initiatives is key.

Habit No. 2: Invest in variety for the mixed-role teams

Organizations where AI has "significant value" have 14% more roles on AI teams. It's most common to have roles like AI researchers and data scientists because AI always originates with data.

Habit No. 3: Include top executives

Organizations that assign AI budget to a corporate function at the C-level are almost two times more likely to reach maturity level 4. They are able to communicate, at a C-suite level, how data aligns to business strategy and corporate goals.

Habit No. 4: Apply AI with a purpose and measure it

Embracing metrics enables organizations to showcase how AI can be used across the enterprise by highlighting its benefits and risks in certain areas.

Habit No. 5: Limit the number of POCs

A deliberate approach to POC selection and deployment will deliver substantial benefits.