ARTIFICIAL INTELLIGENCE
VOCABULARY

Algorithms: A set of rules or instructions given to an AI system to help it make decisions or solve problems. Algorithms are the foundational elements that drive the behavior of AI systems.

Hybrid Intelligence: The combination of human and artificial intelligence, working together to enhance cognitive performance, decision-making, or creativity beyond what either could achieve alone.

Machine Intelligence: Another term for artificial intelligence, emphasizing the capability of machines to perform tasks that typically require human intelligence, such as understanding natural language, recognizing patterns, solving problems, and learning from experience.

Automated Intelligence: Refers to AI systems designed to automate routine or repetitive tasks, typically involving structured data and clear rules, without requiring human intervention once set up.

Artificial General Intelligence (AGI): A theoretical form of AI that has the ability to understand, learn, and apply knowledge across a wide range of tasks at a level of competence comparable to or exceeding that of a human being.

Super Intelligence: A hypothetical AI that surpasses human intelligence across all fields, including creative, emotional, and social intelligence, potentially capable of self-improvement.

Safe or Trustworthy AI: AI systems that are designed with ethical considerations, ensuring they are secure, reliable, and operate within intended boundaries without causing unintended harm.

Transparent AI (or Explainable AI): AI systems that provide insights into their operations and decision-making processes, making it possible for users to understand and trust their actions and outcomes.

Co-working with AI (prompt engineer): Collaborative interaction between humans and AI, where humans, such as prompt engineers, guide AI in generating useful and relevant responses or content.

Embedded AI (Co-Pilot): AI technologies integrated into other software or hardware systems to enhance their functionality, such as AI assistants that help with coding, writing, or data analysis.

Synthetic Data: Artificially generated data produced by algorithms, used to train AI models where real data may be unavailable, limited, or sensitive.

AI Alignment/AI Ethics: The field focused on ensuring AI systems' goals and behaviors are aligned with human values and ethical standards, addressing concerns such as fairness, privacy, and accountability.

Constitutional AI: A concept that involves designing AI systems with foundational principles or guidelines that ensure they adhere to ethical, legal, and societal norms.

Open-Source AI: AI projects and tools that are made publicly available, allowing developers to use, modify, and distribute them. This openness promotes collaboration and innovation in the AI community.

AI Risk, AI Audit, AI Governance: These terms refer to the practices and processes aimed at identifying, assessing, and managing the potential risks and ethical implications associated with AI systems. AI audits evaluate compliance with standards and guidelines, while AI governance involves the overarching framework that ensures responsible AI development and use

RAG (Retrieval-Augmented Generation): A technique in natural language processing that combines retrieving information from a database or corpus and then generating text based on that information. It's used to enhance the quality and relevance of AI-generated content.

Machine & Deep Learning/Self Learning AI: Refers to AI that can learn and improve from experience without being explicitly programmed. Deep learning is a subset of machine learning that uses neural networks with many layers to analyze various factors of data.

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Understanding the terminology and principles behind AI is crucial for navigating this rapidly evolving field, whether you're developing AI solutions, integrating them into business processes, or simply curious about the potential of AI to transform our world.

If you need help with any aspect of defining AI within your organization or next steps on building AI strategies, please connect with us at info@fpov.com.

About Future Point of View

Future Point of View is a strategy firm with corporate offices in Oklahoma City, OK and resources spread across the United States. We have been helping organizations become world class at leveraging technology to create competitive advantage for more than two decades and have years beyond this in collective experience across our consulting team.

We help leaders and organizations achieve success by implementing future leaning strategies and methods.

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