





1. Introduction to Generative Al

Introduction to Generative AI

Definitions

Artificial Intelligence: The simulation of human intelligence processes by computer systems, enabling them to learn, reason, and problem-solve.

Heuristics: The ability and process of problem-solving by creating cognitive shortcuts that deliver "good enough" results that can be useful or effective under time or resource constraints.

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Examples of Artificial Intelligence

- ► Reactive AI: Responds to inputs without using internal models or learning from past experiences. E.g., chess programs.
- ▶ Predictive Al: Predicts future outcomes based on historical data, such as predicting stock prices or weather forecasts.
- ► Analytical AI: Analyzes complex data sets and extracts meaningful insights.

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