Hype Cycle for Artificial Intelligence, 2021
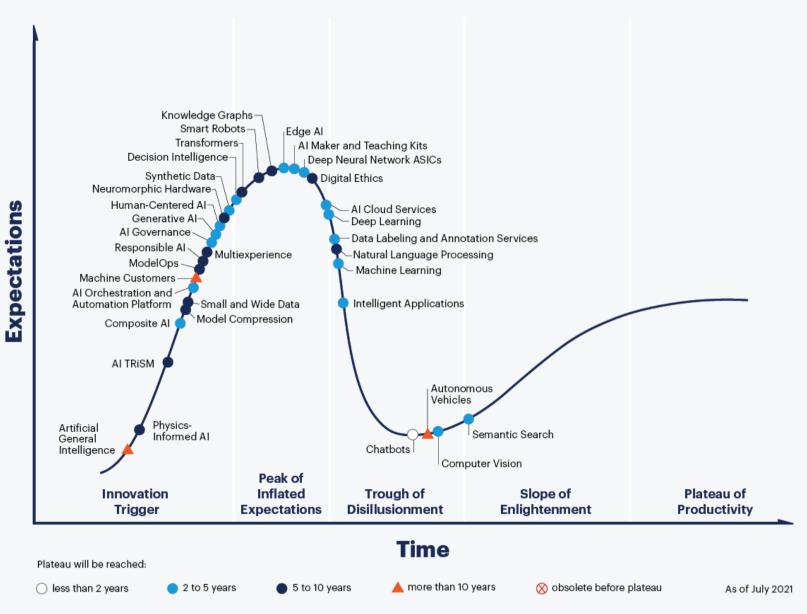

Expectations (y-axis) vs Time (x-axis)

Labeled points along the curve:

- Knowledge Graphs
- Smart Robots
- Transformers
- Edge AI
- AI Maker and Teaching Kits
- Decision Intelligence
- Deep Neural Network ASICs
- Synthetic Data
- Neuromorphic Hardware
- Digital Ethics
- Human-Centered AI
- Generative AI
- AI Cloud Services
- AI Governance
- Deep Learning
- Responsible AI
- Data Labeling and Annotation Services
- Multiexperience
- ModelOps
- Natural Language Processing
- Machine Customers
- Machine Learning
- AI Orchestration and Automation Platform
- Small and Wide Data
- Model Compression
- Composite AI
- Intelligent Applications
- AI TRiSM
- Autonomous Vehicles
- Artificial General Intelligence
- Physics-Informed AI
- Chatbots
- Semantic Search
- Computer Vision

Phases (x-axis):
Innovation Trigger — **Peak of Inflated Expectations** — **Trough of Disillusionment** — **Slope of Enlightenment** — **Plateau of Productivity**

Legend — Plateau will be reached:
- ○ less than 2 years
- ● (light blue) 2 to 5 years
- ● (dark blue) 5 to 10 years
- ▲ (orange triangle) more than 10 years
- ⊗ obsolete before plateau

As of July 2021

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