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Crawl-Walk-Run: Crawl – Artificial Intelligence

January 26, 2024



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We Can Help You in 3 Ways ...



Software *integration*

In-house products and solutions allow businesses to leverage leading value.



Data *modernization*

Every business relies on data insights to make accurate informed decisions.



Automation *development*

Adding automation to key processes allows businesses to scale efficiently.

Protect your systems and data with a strong *cybersecurity* plan.



Crawl, Walk, Run Series: Artificial Intelligence

Crawl

Understanding the AI
Landscape



Walk

Implementing
Solutions and
Governance



Run

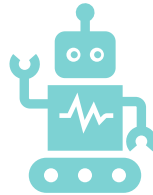
Advanced Solutions
and Topics



Today's Agenda



Understand the state of
our AI revolution



Explore AI landscape



Discuss functionality &
misconceptions about AI

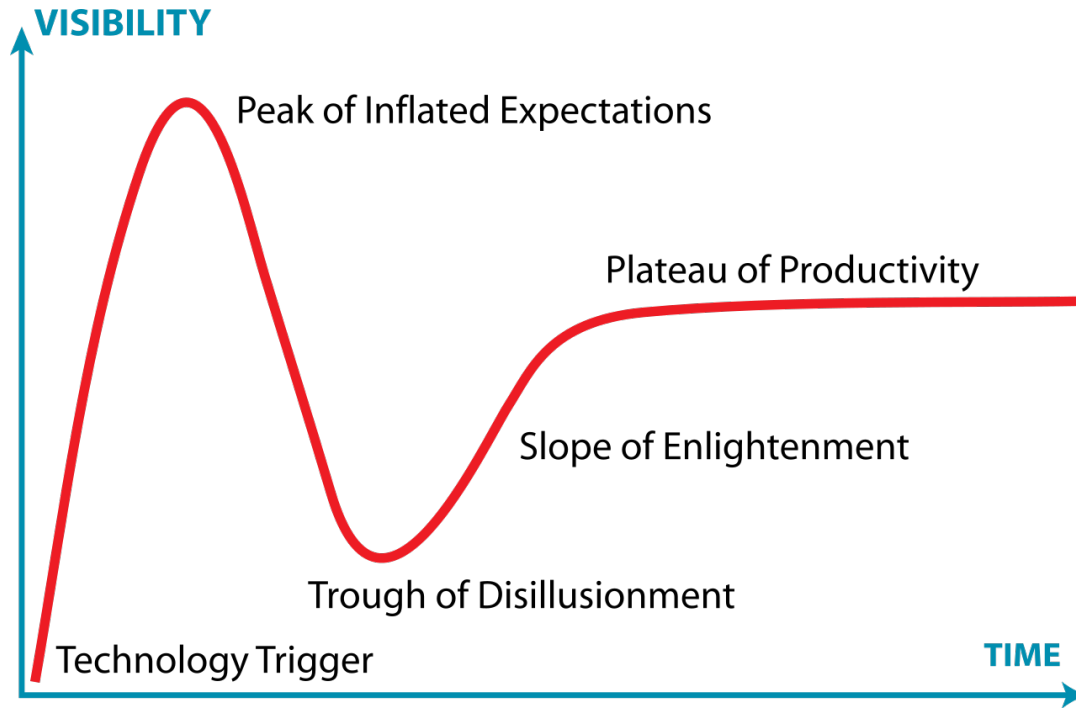


Polling Question - How transformative do you believe AI will be?

- I think it's overhyped and unlikely to make much change.
- Cautiously optimistic for how it will change how we work.
- This is the fifth industrial revolution.
- I don't know enough to say but I want to know more.



Gartner Hype Cycle



Client Lifecycle: CLA Digital

Phase 1

No dashboards or manually compiled dashboards
Disconnected data
Abundance of manual processes

Phase 2

Automated dashboard for one or more departments
Analytics supported by data integration and automated workflows
Exploring artificial intelligence for productivity

Phase 3

Most departments supported by automated dashboards and self-service BI
Defined sources of truth across enterprise
Exploring machine learning for analytics

Phase 4

Integrated systems and solutions supporting advanced analytics
Machine learning and artificial intelligence integral to business decisions

Crawl

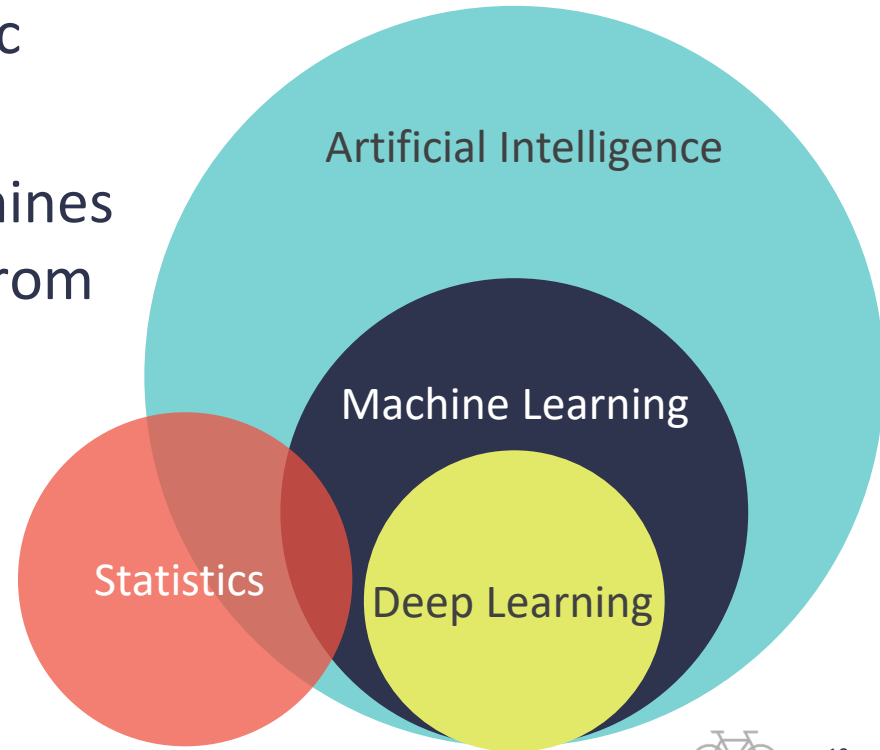
Walk

Run



Comparing Traditional Computing vs. AI

- **Traditional Computing:** Set of explicit instructions for a specific task
- **Artificial Intelligence (AI):** Machines learning and making decisions from data
 - Machine Learning
 - Deep Learning
 - Statistics



Contemporary AI



Natural Language Processing (NLP): Sentiment analysis and conversational AI.



Computer Vision: Image and facial recognition.



Machine Learning: Predictive and prescriptive analytics, classification & anomaly detection



Reinforcement Learning: Models that learn from stimuli.

Misconceptions of AI

- Requires Large Scale and Complex Implementations Only
- Development Is Fully Autonomous
- Can Replace Human Jobs Completely
- Guarantees Perfect Predictions



What is GPT?



GPT is a kind of Large Language Model: Able to generate novel, human-like text, write code, and create datasets



Goal of GPT project was to create chat agent that can interact conversationally, generate coherent, relevant content, answer follow up questions.



Trained on websites, books, and online material.



Humans AI trainers helped GPT models provide more desirable outputs via reinforcement learning.



OpenAI released ChatGPT November 2022



Many updates and other new generative AI apps & services



GPTs

OpenAI

- ChatGPT 3.5
- ChatGPT 4
- Custom GPTs
 - Image generation
 - Academic research
 - Coding

Other Organizations

- Google Bard & Gemini
- Facebook & Instagram Messenger
- Snapchat AI Chatbot
- Many research orgs & startups developing models & tools



Demo: CLAgpt



Microsoft's Copilots

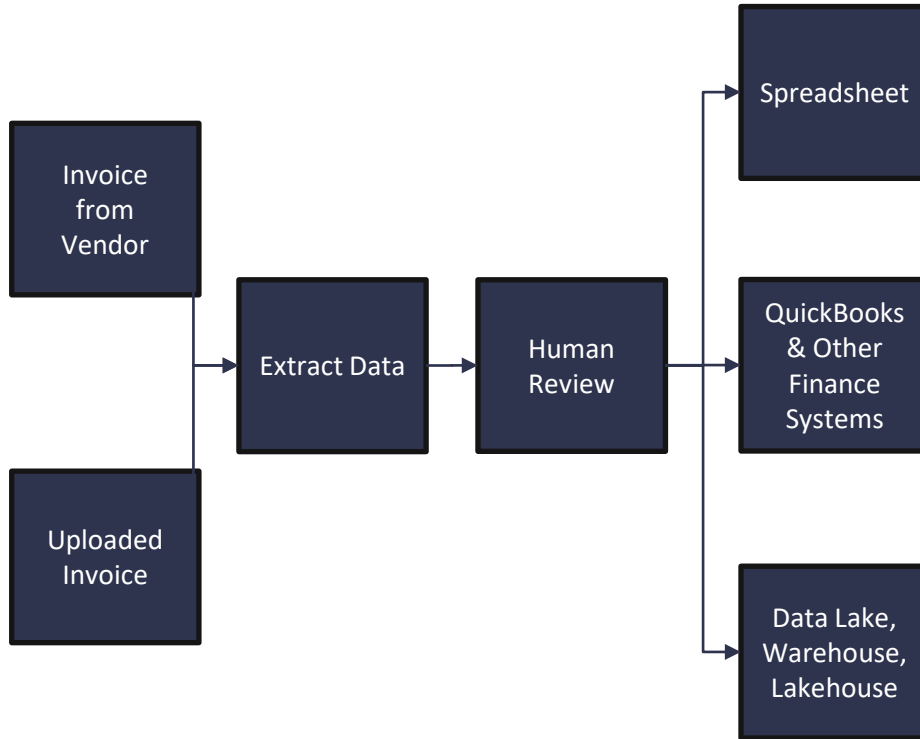
- Windows Copilot
- Microsoft 365 Copilot
- GitHub
- Other copilots
 - Power Platform
 - Microsoft Fabric
 - Azure AI
 - Dynamics 365
 - And more!



Demo: Microsoft 365 Copilot



Invoice Automation: CLA AutoExtract



Reduce manual data entry from documents such as invoices

Minimize error associated with manual processing

Integrate with existing workflow and enterprise systems

Reduction in manual invoice processing time with AutoExtract



Polling Question – What describes your current situation?

- I'm just here to learn more about AI.
- I have a business case that I think AI can help solve.
- My business has a plan in place to use AI.
- I need your help to implement a plan to use AI at my organization.



Where to Go From Here?

- 3 Part Series
 - Crawl – Today
 - Walk – March 13, 2024
 - Run – May 15, 2024
- Have specific questions or want to discuss 1:1?
 - Click “Let’s talk. Contact me.” and we'll set up a complimentary consultation with one of our Digital specialists!





Thank you!

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