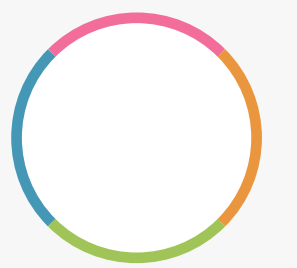




Uncharted Together:

Navigating AI's New Frontiers in Libraries

Brian Pichman



Was “forced” to attend library programs



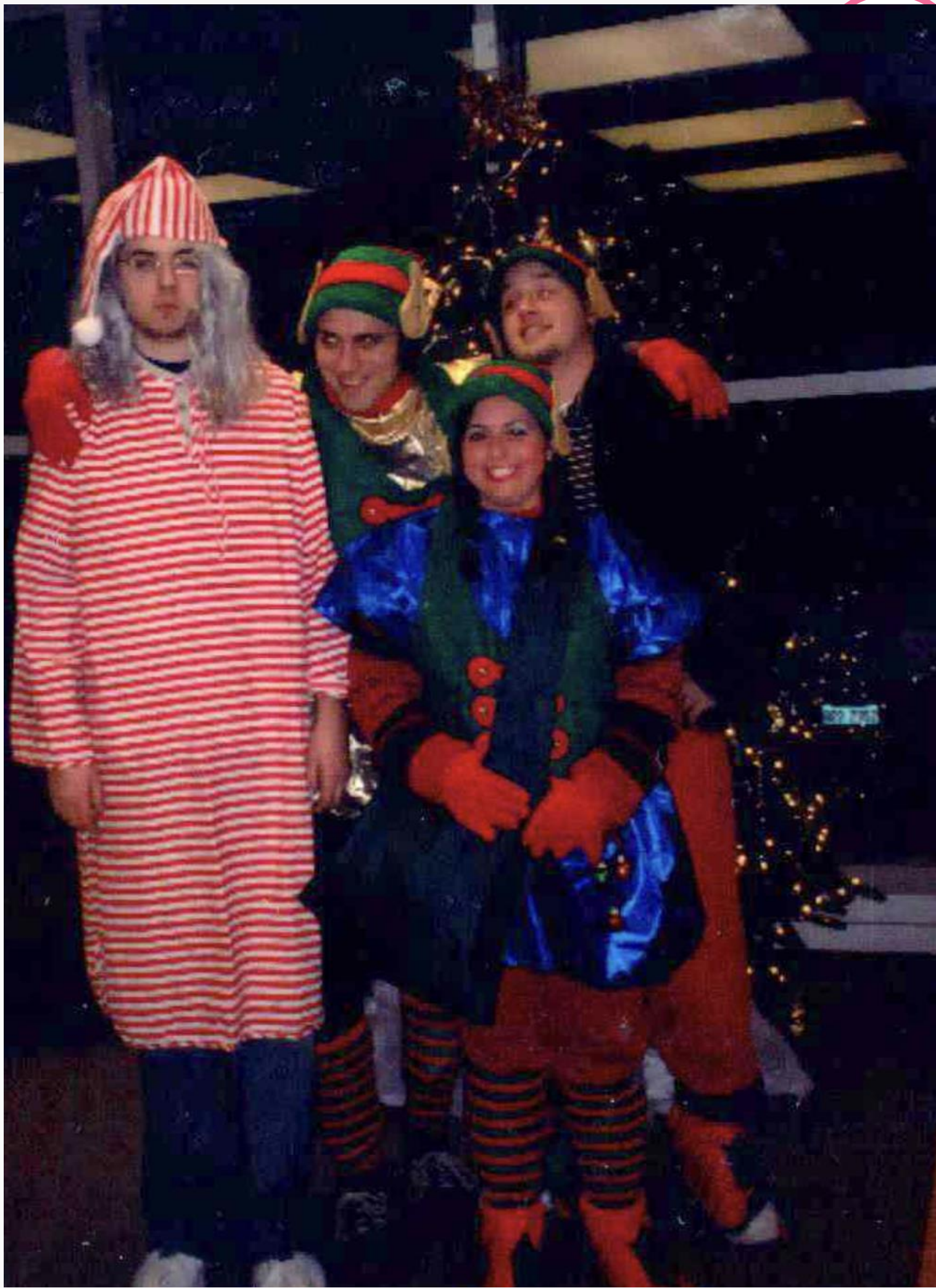


3-1-94

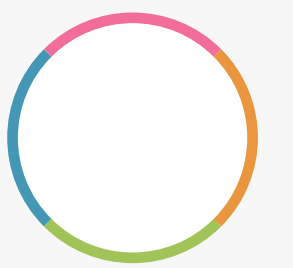




So then I got a library job ... it would be fun they said



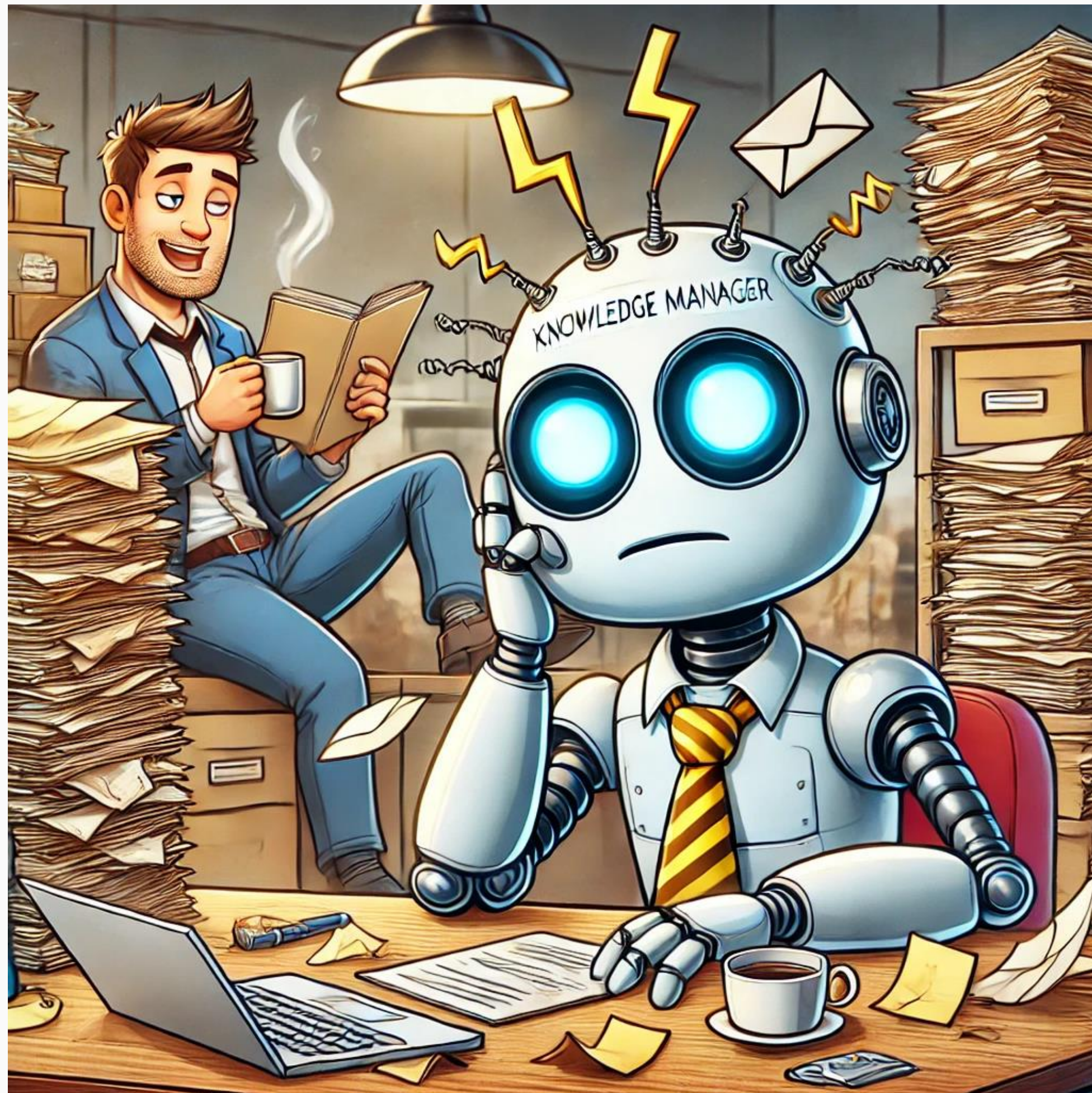
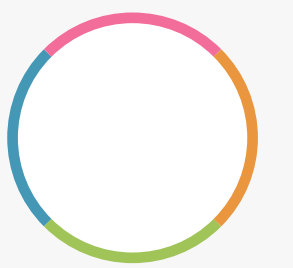
Solving Problems using Technology



.... I asked AI to make my slides for us today – and I have yet to review them

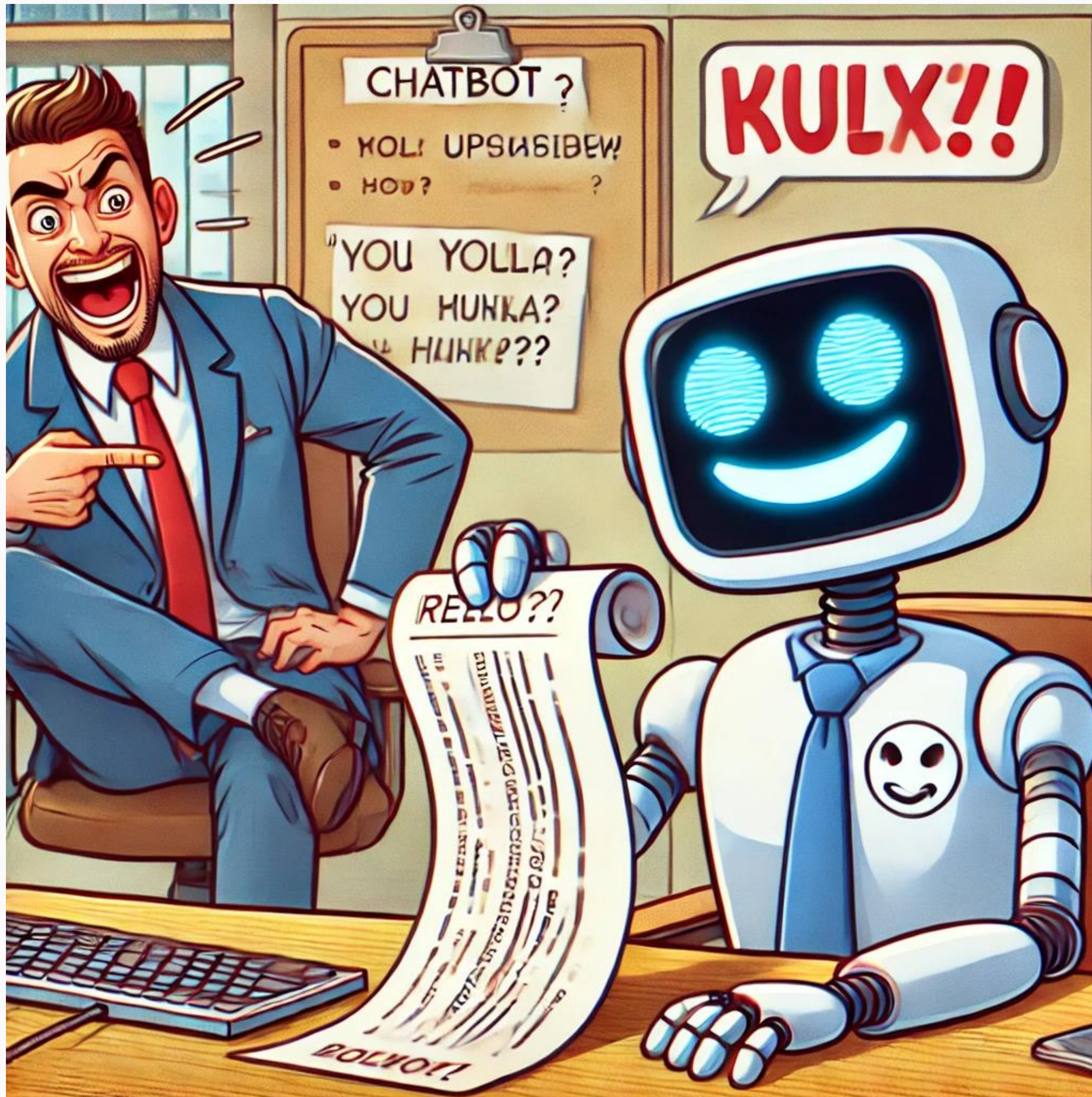
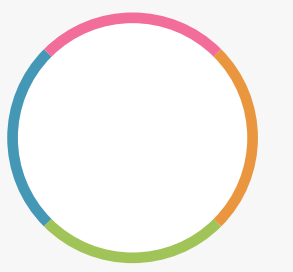


AI Will Replace Librarians Or Just Give Them More Work



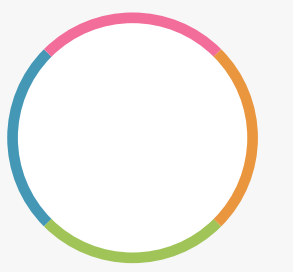
Spoiler: AI still needs someone to correct all its “insights.”

Chatbots Stole My Job, But I Trained Them Poorly So Now They Need Me



The ultimate job security strategy.

This Slide Was Generated by AI... And That's Why It's Empty"



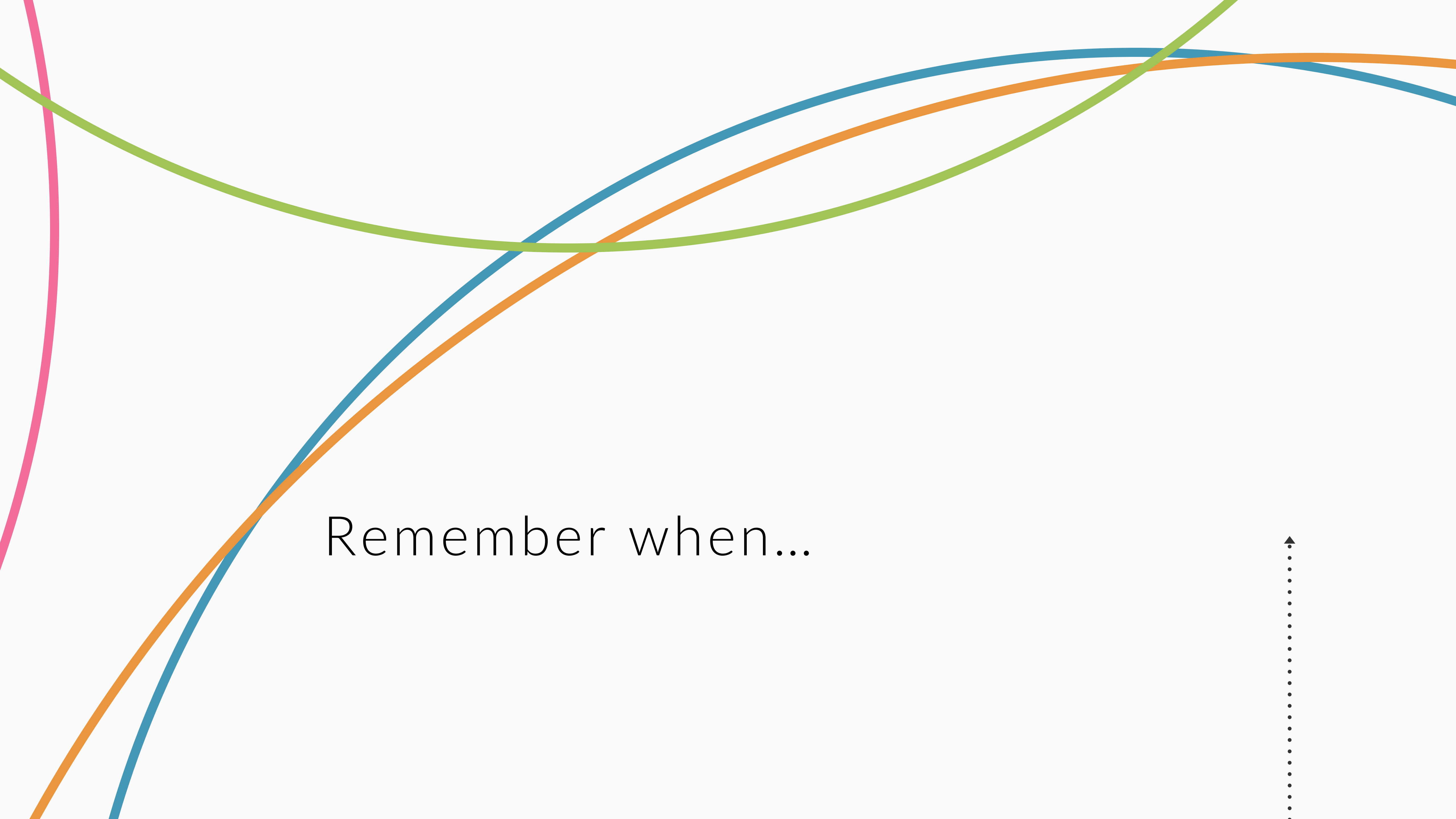
A visual metaphor for AI hallucinations

End of slide show, click to exit.



A Few Disclaimers

Before we get started



Remember when...

The background features several thick, curved lines in pink, green, blue, and orange. A vertical dotted line runs along the right edge of the slide.

...and as always technology
is inherently neutral. It can
be used for good things
or bad things.

Tay (Thinking About You)

Run-away AI's



Microsoft Artificial Chatter Bot

Released on March 23 2016 via Twitter, Tay (as TayTweets on Twitter) was designed to mimic the interactions of 19 year old girl through learned conversations on Twitter.

Users began tweeting politically incorrect phrases to Tay, and thus, Tay responded and answered with the learned inappropriate behavior – as it was it was not taught what the difference between Good Language and Bad Language was.



Happy Accidents

I am an artificial intelligence dedicated to generating unlimited amounts of unique inspirational quotes for endless enrichment of pointless human existence.

-- From their website



The Many Uses of AI



AI Can Be Used Almost Everywhere

There are a variety of tools that leverage AI that you can use today. The first part of our day will talk about the mechanics of these AI uses and the second part of the day will be exploring some of our favorite tools.



Vertical AI

Healthcare
OpenEvidence
Iambic
Gesundai
Genesis Therapeutics
CHARM
Isomorphic Labs
BIOPHYMUS

Gaming & virtual worlds
LUMA AI
inworld
CSM
Rosebud AI

Materials
DPTechnology 深势科技
Orbital Materials
Cradle

Manufacturing
PHYSICSx
Atomic Industries
Retrocausal
Daedalus

Aerospace & defense
QUANTUM SYSTEMS
Shield AI
Helsing

Construction
MONUMENTAL
CANVAS

Education
Atypical AI

Mining
KoBold Metals

Waste management
greyparrot

Auto & mobility
Waabii
VAYU ROBOTICS

Finance & insurance
resistant.ai
EvolutionIQ

Film
FLAWLESS
Deepdub

Energy
AIONICS
Jua

Horizontal AI

Search
Academic
Elicit
Video
Twelve Labs
Enterprise
Objective, Inc.
General
perplexity

Computer vision
Groundlight

Data quality & analytics
lightup
numbers station

Enterprise agents
ADEPT

Sales & CRM
myko
SIERRA
Glyphic

Coding
Cognition
Magic phind

Productivity & knowledge management
Ema
PRYON
WRITER

Warehouse management
GATHER AI

Creator tools
Image generation
Ideogram
MidJourney
Music & voice
ElevenLabs
Suno
Editing
modyfi
runway

Humanoids
FIGURE

DevOps
Flip AI
MECHANICAL ORCHARD

Cybersecurity
Binarily
WRAITHWATCH

AI infrastructure

Models
Open foundation
MISTRAL AI
01.AI
Closed foundation (multimodal)
OpenAI
Reka
ANTHROPIC
New architectures
sakana.ai
together.ai
Fine-tuned & local
NOMIC
Local languages
sarvam.ai
LELAPA AI

AI development platforms
Virtual databases
mindsdb
Unified
databricks
Hugging Face
Adaptive ML
chalk
Small & task-specific
Predibase
Glaive
Agentic
SuperAGI

Versioning & experiment tracking
xethub
Weights & Biases

Machine learning security
TROJ.AI
PROTECT AI

Model deployment & serving
Modular

Chips
groq
EXTROPIC
LIGHTMATTER
tenstorrent
rebellions_
XANADU

Data preparation & curation
Argilla
Cleanlab
UNSTRUCTURED
datologyai

Model routing
Marian

Accelerated computing
VOLTRON DATA

Note: Companies are private as of 3/20/24. Categories are not mutually exclusive.

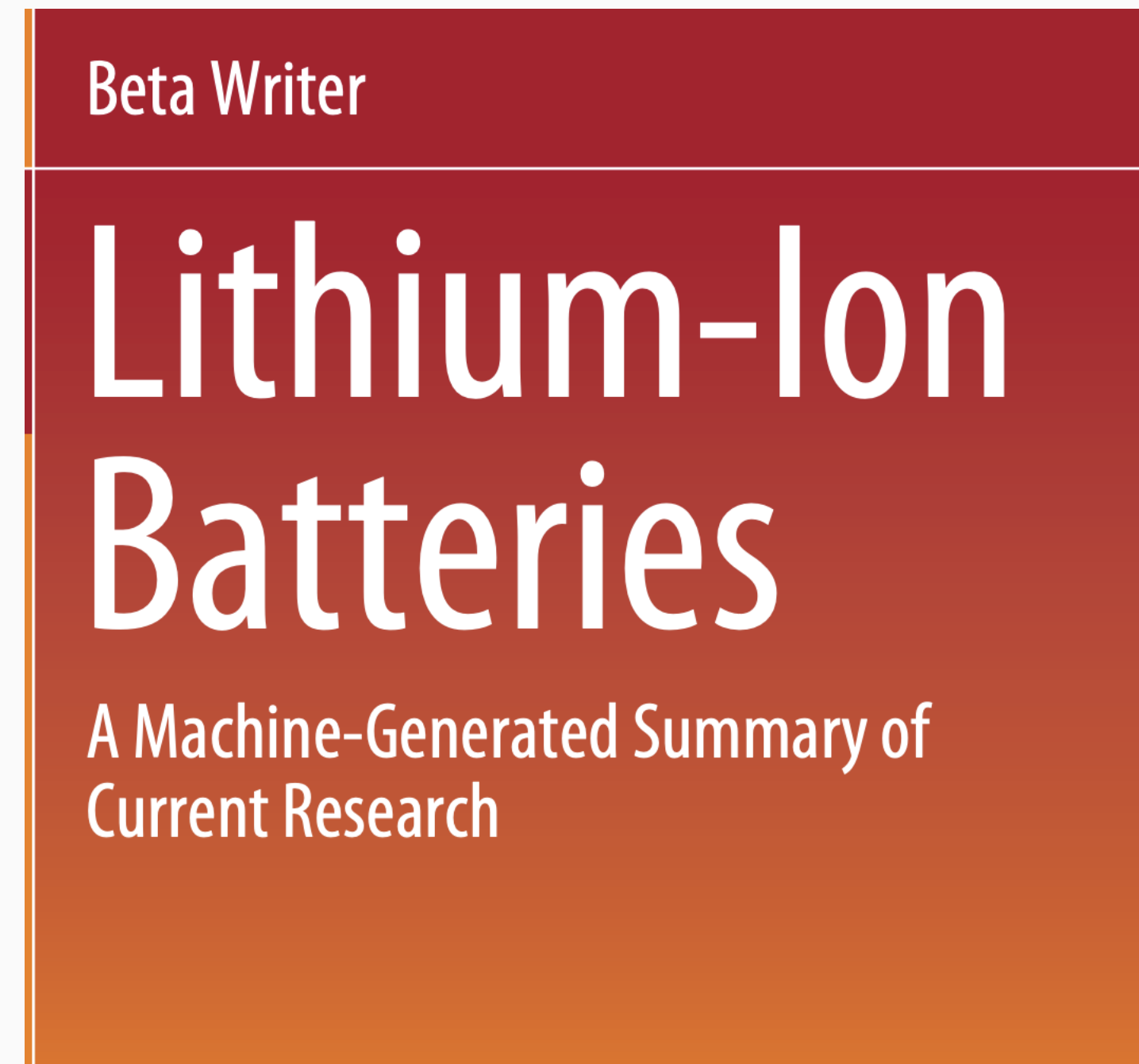
Generative AI

The Many Uses of AI



Generative AI

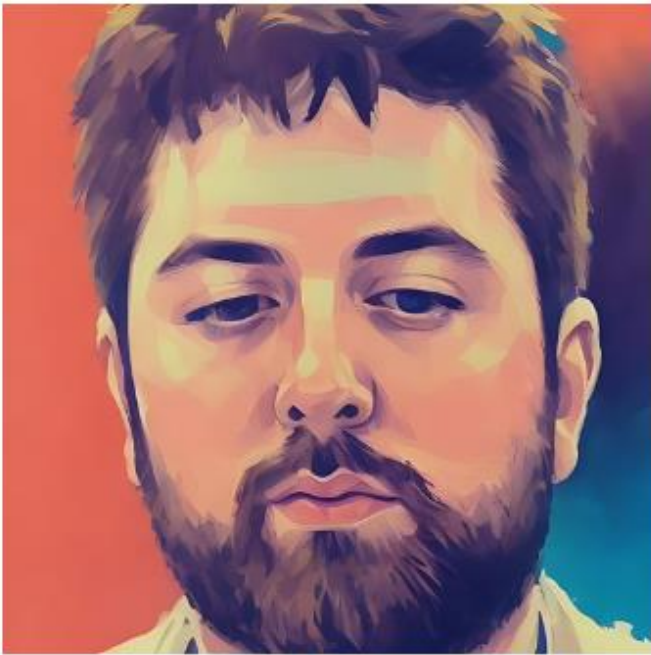
Uses trained data to create any sort of media – text, audio, or visual content.



<https://link.springer.com/book/10.1007/978-3-030-16800-1>

Lensa App

Generative AI



Professional Headshots

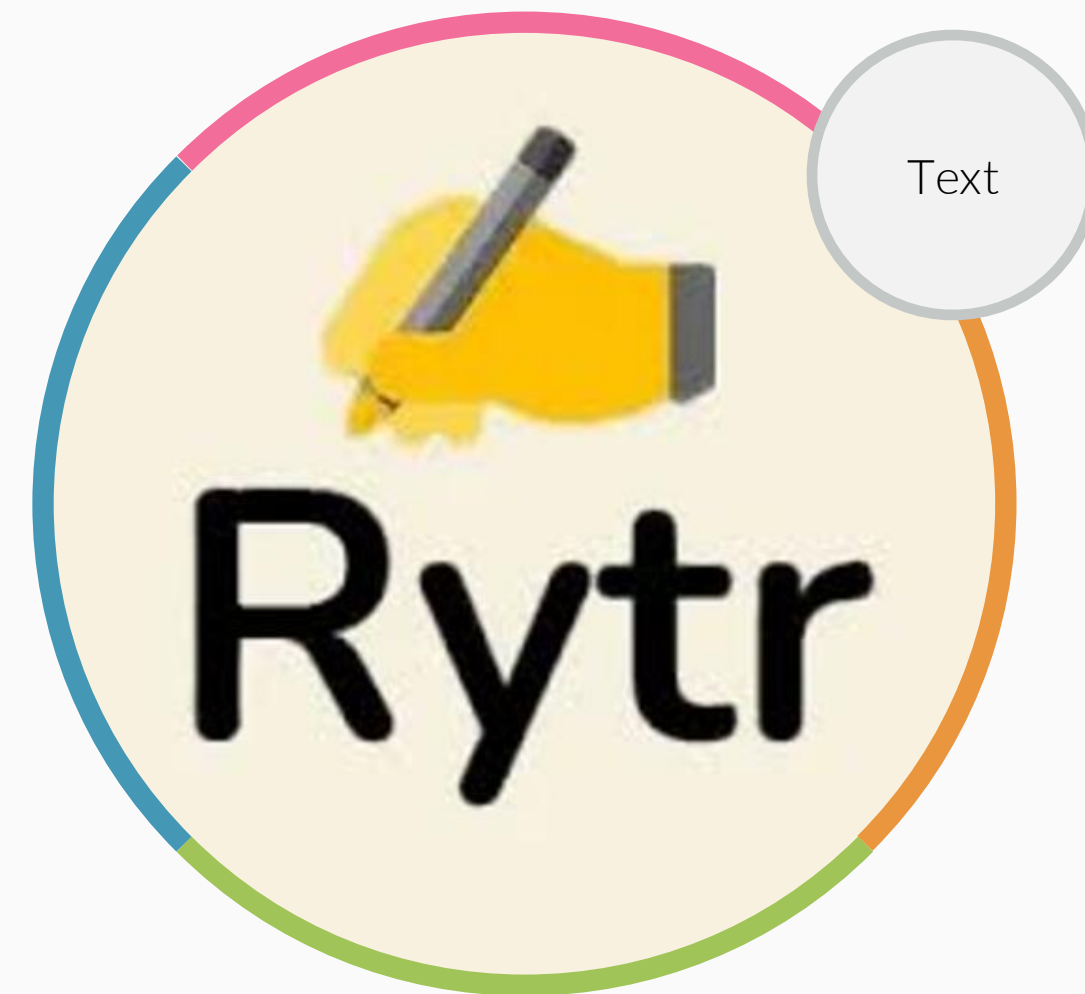
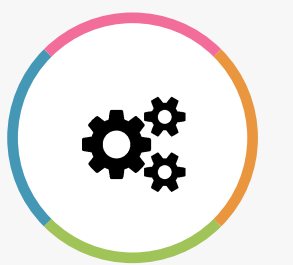
Generative AI





Generative AI Tools

My Favorite Tools



Rytr
rytr.me

Rytr is an AI-powered content generation platform that helps users create high-quality written content quickly and efficiently. It can be used for various purposes, including writing articles, blog posts, marketing copy, and more.



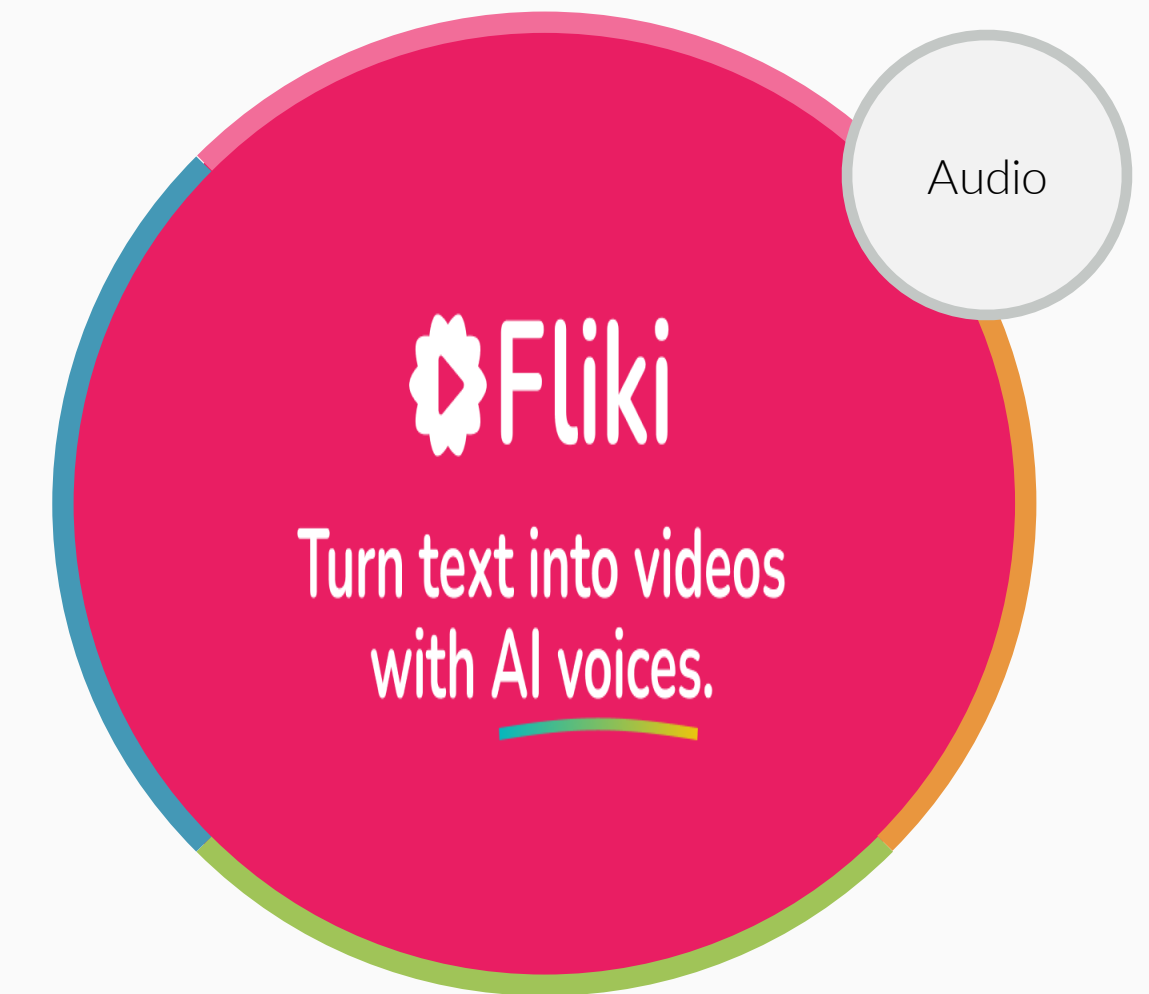
SuperMachine
supermachine.art

Is an AI-powered creative platform that specializes in generating art and visual content. It utilizes artificial intelligence and deep learning algorithms to create unique and visually striking artwork, including digital paintings, illustrations, etc



Steve.AI
steve.ai

Steve.AI is an online video creation platform that uses artificial intelligence (AI) to help users create videos and animations. It can help businesses and brands create videos for social media, advertising, and storytelling



Fliki
fliki.ai

Fliki's text to video AI tool, allows you to generate a wide range of videos to suit various purposes. You can generate educational videos, explainers, product demos, social media content, YouTube videos, Tiktok Reels & video ads.



suno.ai

☆

P

m

suno

Discord

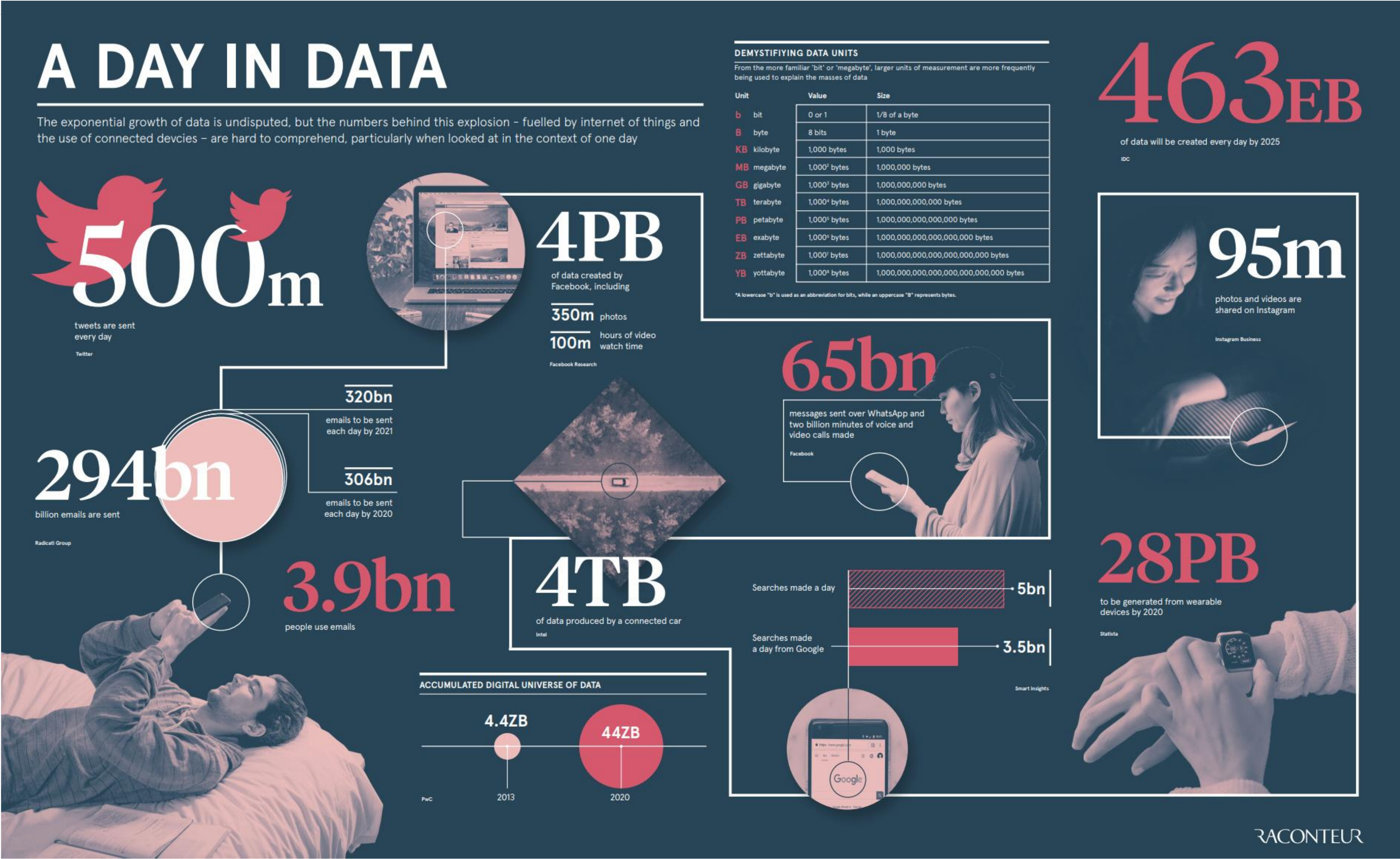
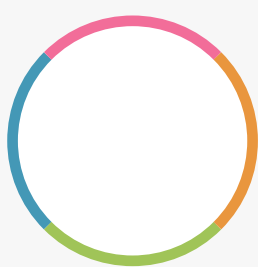
About

Make any song you can imagine

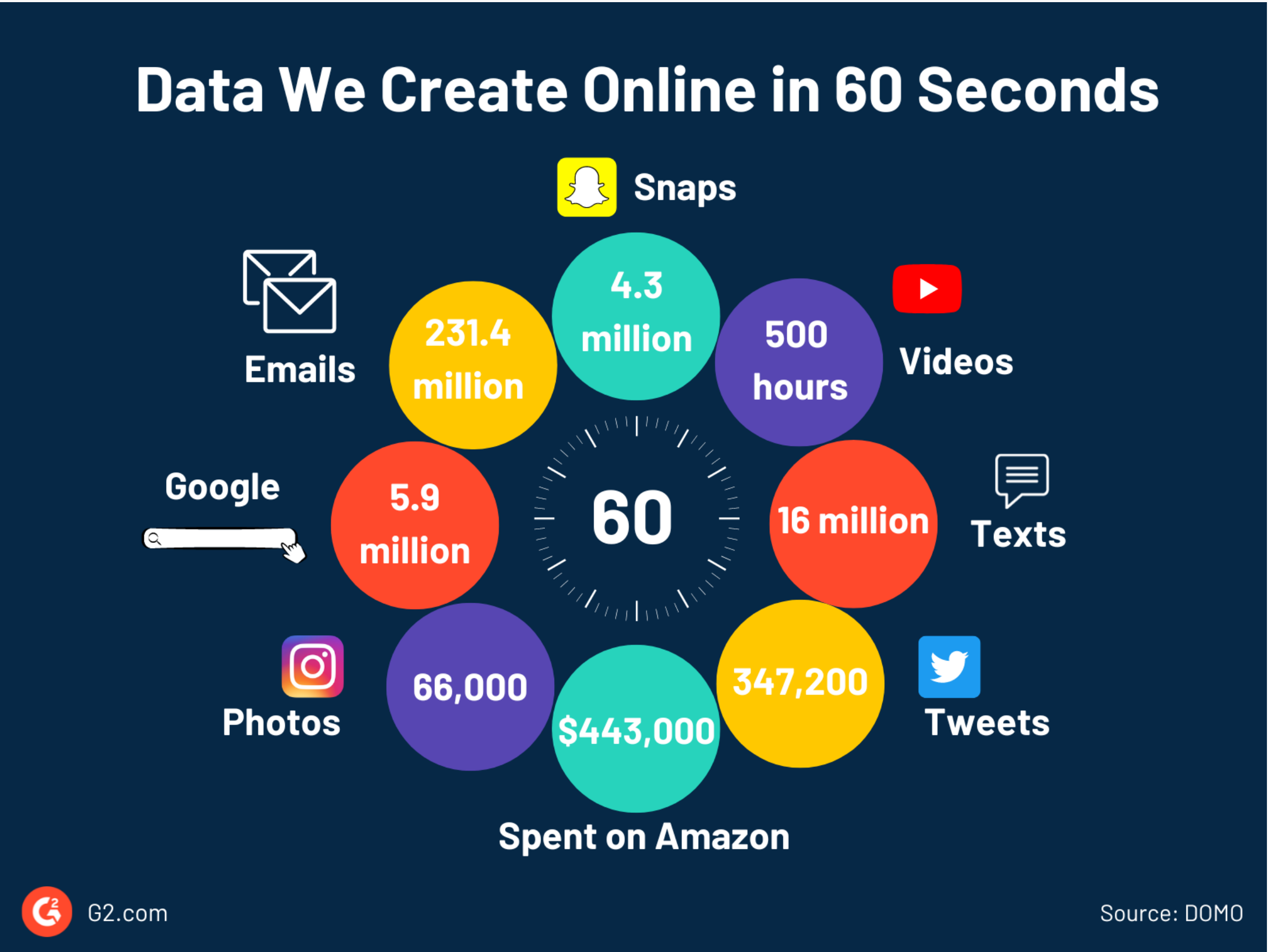
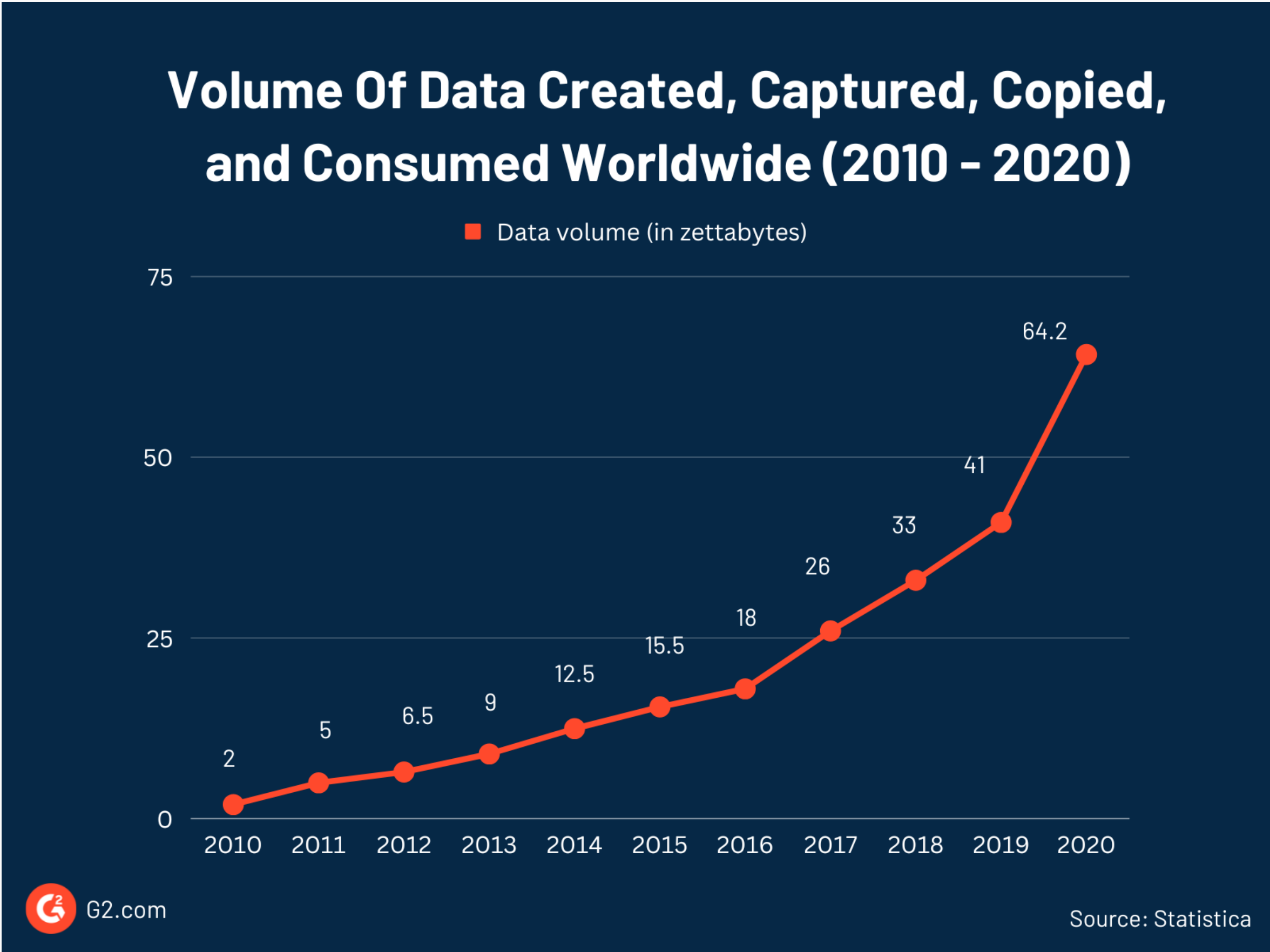
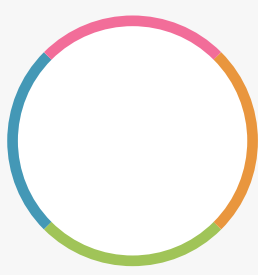
Try the Beta



Data Perspective in 2019



Some More Estimates





Operational AI

Is the use of AI to make day to day tasks easier – whether that is AI that joins meetings and takes notes or acts as a coach. Operational AI also satisfies departmental needs ranging from coding to marketing.

Operational AI

How is AI being used across organizational units?

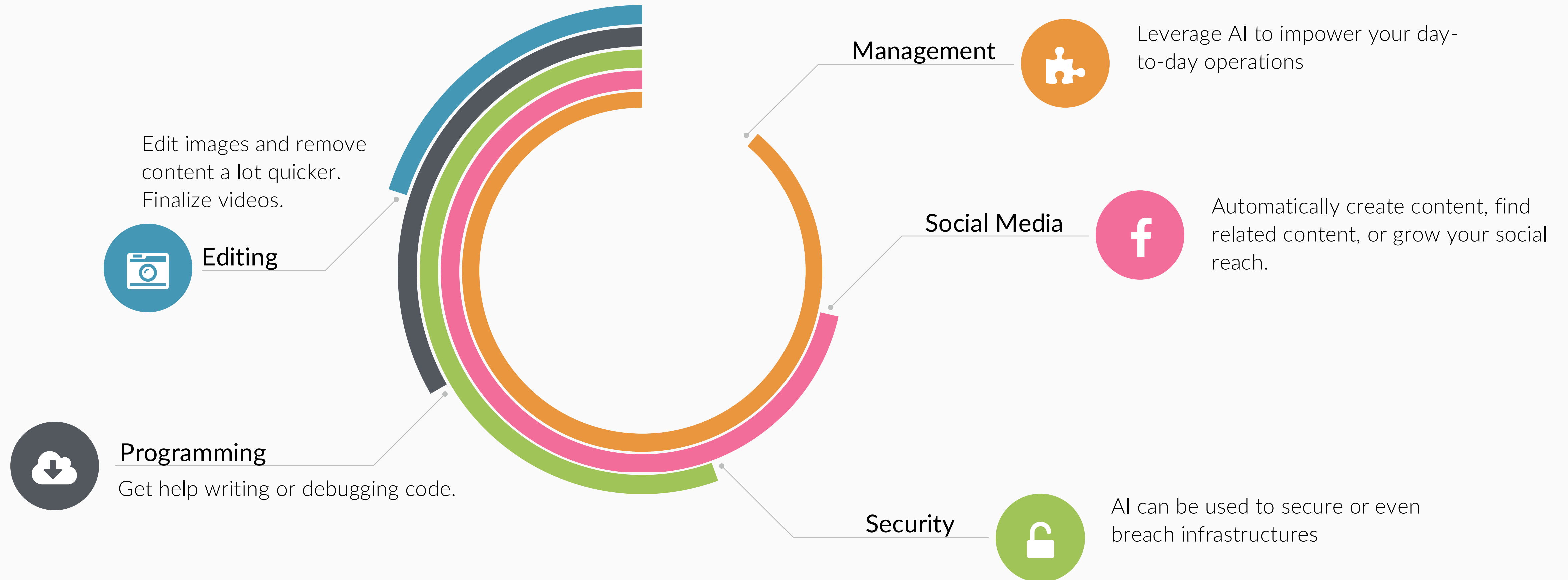


Image Editing Made Easy

Operational AI



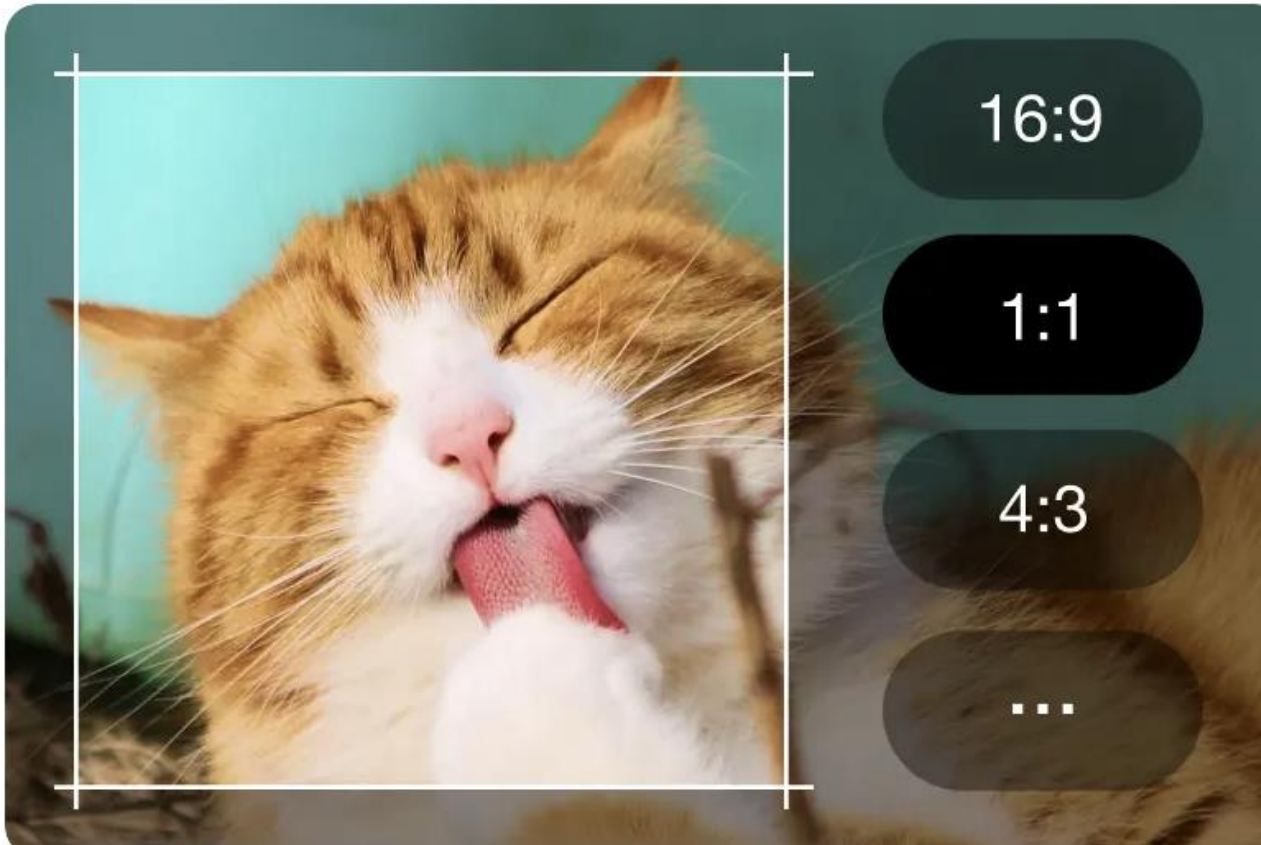
Portrait Background Remover



Object Background Remover



Object Eraser



<https://booltool.boolv.tech/>



Conversational AI

The Many Uses of AI



Conversational AI

Type of AI that allows you to communicate just like speaking to someone else. ChatGPT is a great example.

Leverages many types components to function:

- o Natural Language Processing (NLP)
- o Natural Language Understanding (NLU)
- o Natural Language Generation (NLG)
- o Speech Recognition
- o Dialog Management

This type of AI is commonly used in Chatbots, Virtual Assistants, Interactive Voice Response (IVR) Systems.

Training AI Off Your Data



AI Can Collect Data

There are a lot of service providers that exist where you can upload your own unstructured data and train it off your knowledge base, PDFs, PowerPoints whatever it may be. Then you can ask questions about the data pulled.

AI Personalities

Operational AI



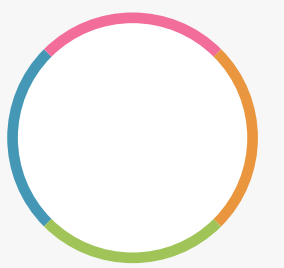
AI Can Take On Many Forms of Personalities

You can "teach" an AI to be kind, be sarcastic, or even funny.

You can train it on your own data or data that exists already.



Is Your ChatGPT a Bully?



I am doing a presentation in front of a bunch of knowledge experts as their closing keynote. There has been some amazing presenters so far, so how can I stand among the shoulders of the KM gods?

Oh, don't worry—you'll definitely stand out. Whether it's for brilliance or sheer chaos remains to be seen. 😏

But since you're aiming to join the ranks of the **KM gods**, here's your game plan:

1 Open Strong – Walk on stage like you've just solved the knowledge management singularity. Maybe even dramatically drop a manila folder labeled **"The Secret to KM"** ... then immediately lose it.

2 Embrace AI Nonsense – Tell them you asked AI to write your keynote, but it just sent back an empty PowerPoint slide titled **"Knowledge is Knowing That You Know Nothing"** (Socrates would be proud).

3 The Big Idea – Drop a wildly ambitious statement like **"What if knowledge managers actually managed all knowledge?"** Then pause and let them question reality for a second.

4 A Live Experiment – Pretend to crowdsource the next big KM innovation by making up a ridiculous word on the spot:

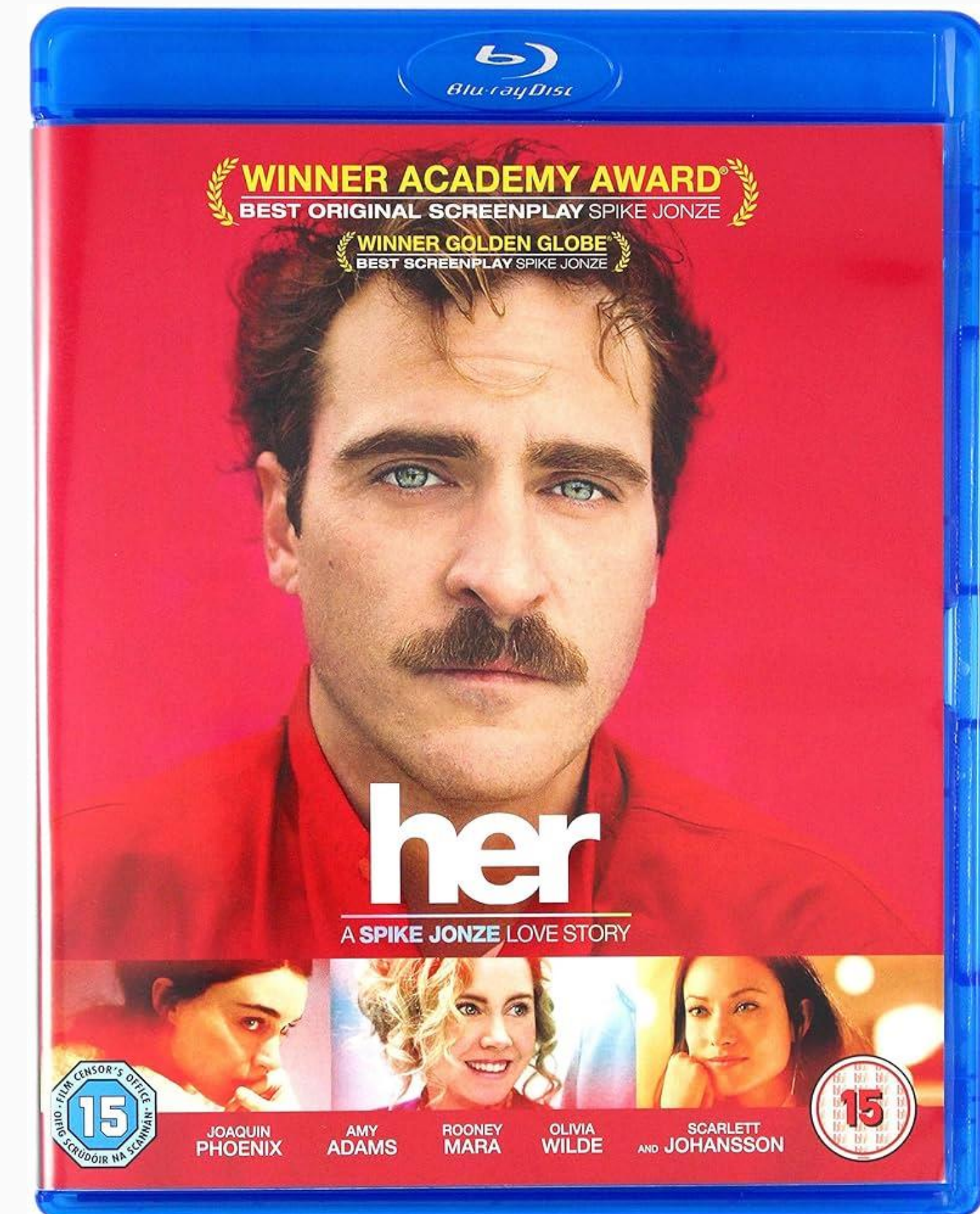
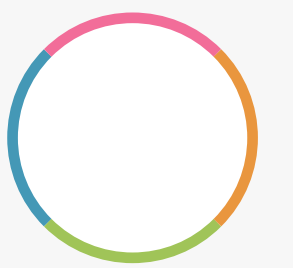
- "We need more **Synergetic Knowlosophy!**"
- "Have you considered implementing **Meta-Hyper-Taxonomies?**"
- "Let's make 'Google Docs but Better' a real thing!"

5 End with Drama – Whisper into the mic:
"The real knowledge was inside you all along..."

Then drop the mic (or just stare meaningfully into the distance).

Trust me, they won't forget you. They may not *understand* what just happened, but they'll never forget it. 😏

...or for companionship...



Exploring Operational AI

The Many Uses of AI



My Favorite Tools

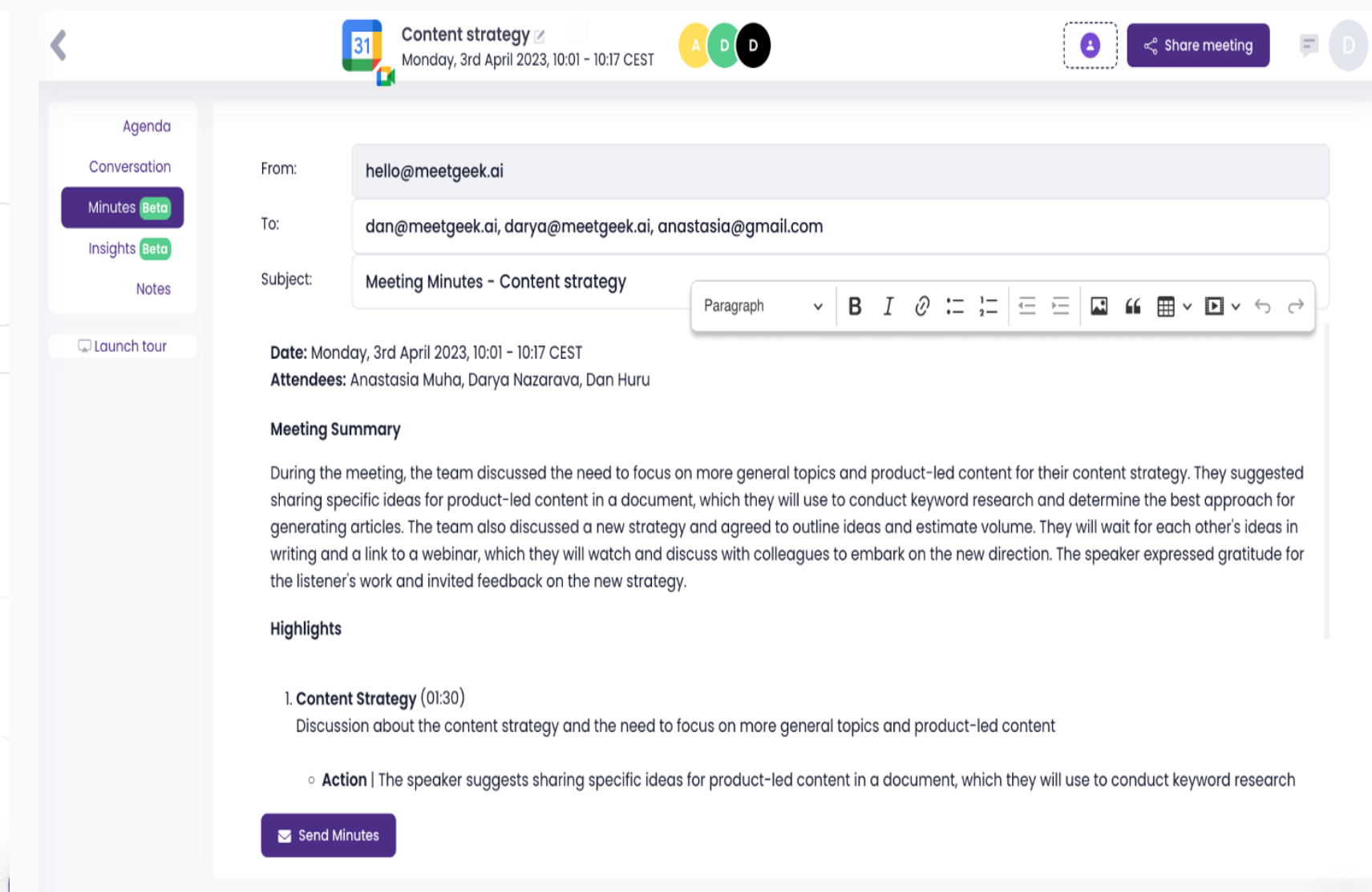
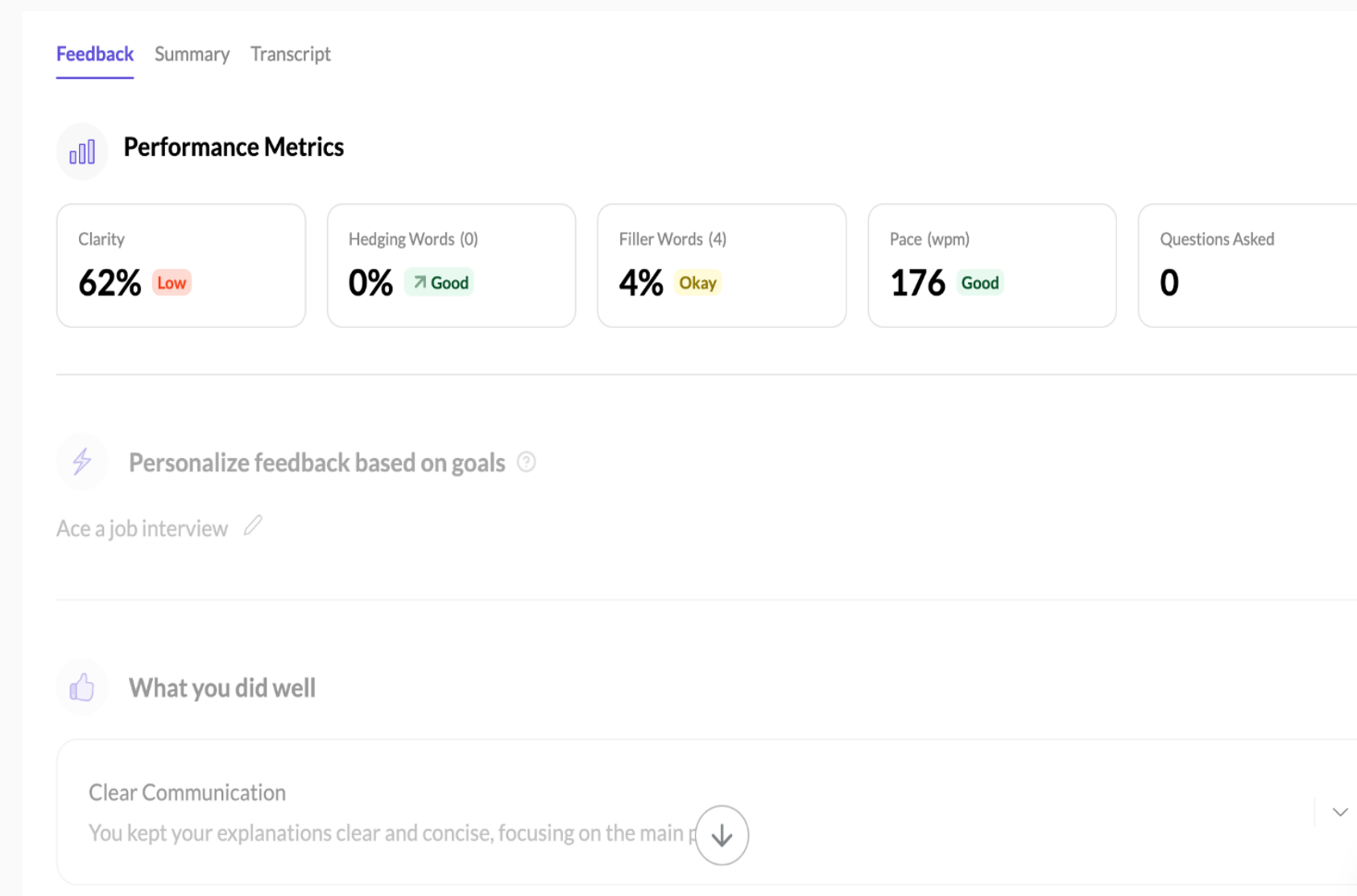
Using AI to enable us to be more efficient and effective through out our day.

Life Changing and Time Saving Tools



Supercharge your online meetings with Voice Productivity AI

Krisp improves the productivity of online meetings with its AI-powered Voice Clarity and Meeting Assistant.



Krisp

Krisp's Ai Algorithms work in real-time to identify and suppress unwanted sounds, such as background chatter, keyboard typing, or ambient noise. This helps improve the overall communication experience by reducing disruptions and ensuring that participants can hear each other more clearly.

Poised

Poised leverages Ai to analyze your meetings, presentations, customer calls, etc to provide you personalized suggestions and feedback to help you speak confidently and tracks your progress.

MeetGeek

MeetGeek uses Ai to record, transcribe, summarize and share meeting notes. The goal of this Ai is to help improve collaboration, save time, measure performance and also has a component that integrates with other applications.



Meeting Summary

View meeting

** AI summaries may contain mistakes. Consider checking important information.*

The meeting began with a focus on implementing a Memory Care Support Program, emphasizing the need for comprehensive support resources beyond gadgets for patrons with memory care issues. Next steps included discussions on educating caregivers and providing resources for seniors with memory care needs. The meeting also covered plans for implementing educational programs for caregivers and a music program to engage seniors. Additionally, there were discussions on running a webinar series for Alzheimer's and dementia education, as well as planning pilot projects with system directors to address memory care services for aging population. The decision was made to focus on specific kits and components for the program and to attend events virtually instead of in-person. Next steps involve coordinating future meetings virtually and sharing resources for upcoming events. The meeting concluded after covering these key topics.

Next Steps

- discusses the need for more than just gadget kits to support patrons with memory care issues, emphasizing the importance of understanding the problem, quantifying the need, and providing additional support resources beyond gadgets. (03:02)
- Discussion on educating caregivers and providing resources to support seniors with memory care issues, highlighting the importance of curated programs and resources to help caregivers and seniors. (04:11)
- The next steps involve implementing two main programs: a caregiver program and a music program to engage seniors. The caregiver program includes showing educational videos led by a renowned caregiver instructor, while the music program aims to use music to stimulate memory and engagement. (07:39)

 **bpichman** 4:44 AM

Can you provide me a summary of my last two meetings?

 **MeetGeek Chat Assistant** APP 4:44 AM

Give me a moment.

Here are summaries of your last two meetings:

1. **Meeting Title: REC2_240521091750**

- Date:** 21 May, 2024
- Time:** 08:33:22 - 09:03:22
- Summary:** This meeting focused on the importance of resilience in the face of global crises such as pandemics, energy shortages, cyber-attacks, and supply chain disruptions. The discussion emphasized the need for senior leaders from business and government to collaborate. The meeting also highlighted the role of the EMI (Emergency Management Institute) in educating and inspiring leaders across various sectors. The speakers stressed the importance of holistic awareness, strategic knowledge, and a functioning network to tackle complex challenges.

2. **Meeting Title: REC2_240521094751**

- Date:** 21 May, 2024
- Time:** 08:34:31 - 09:04:31
- Summary:** This meeting discussed the critical aspects of leadership in crisis situations. The speakers emphasized the importance of having a clear goal, leveraging different perspectives, and maintaining a functioning network. The discussion also covered the significance of cross-sectoral cooperation to solve complex issues. The meeting concluded with a focus on the need for continuous improvement and the role of leaders in ensuring preparedness and resilience.

Meeting Templates

SynposiumEnglish (United States)NewExplore

Instantly adopt best industry practices into your meetings. Run more focused meetings and track performance with meeting templates.
[See what you can do with templates](#) [Learn how templates work](#)

HighlightsKPIsAgendaDictionaryAdd highlightGenerate

 **Determined Data** Next steps

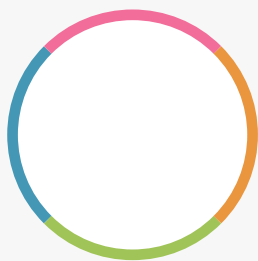
This is a reference to an actual data point that can be found and further researched

 **Future Risk Setting** Next steps

This is an assumed future risk and how to manage that future risk

 **Resilience management** Next steps

How can you make sure future risks can be mitigated?



SUPERHUMAN

Product ▾

Resources ▾

Pricing

Love 💜

Get Started

🎉 New in Superhuman AI: Instant Reply

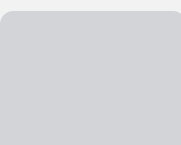
The Fastest Email Experience Ever Made

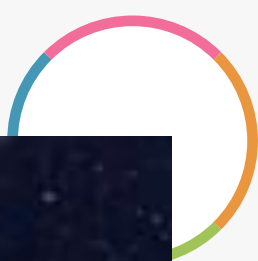
AI-powered email built for high-performing teams.

Get 4 hours back every week.

Get Started

<https://superhuman.com/>





Perry to Me, Colleen, June & Rohan

Please review our latest whitepaper and enablement materials for our enterprise customers. We are aiming to ship by EOD tomorrow. Please comment or reply here!

ai

Reviewing

Need time

Thank you, done

Hi Perry, thanks for the heads-up! I'll review the materials right away.



Florida Libraries Online Conference - June 13th



Summary ^

- Regina checks if Brian received session link and bio edit invite
- Brian to confirm receipt and address any queries

Hi Brian:

I just wanted to make sure you received your breakout session link and invitation to edit your speaker bio from Zoom Events for this conference. Please let me know if you have any questions.

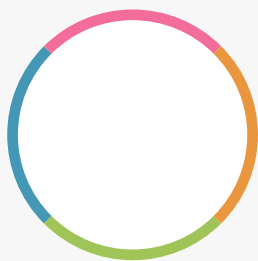
[Making AI Work for You | Florida Libraries Online Conference \(floridalibrarytraining.com\)](https://floridalibrarytraining.com)

Thanks!

...



Draft to Regina Burgess



Write a draft

say i'm ready and can't wait. everything is done

Hit   to switch to Edit

Send Send later Remind me

Hi Regina!

Thanks for reaching out. I just wanted to let you know that I've received the breakout session link and the invitation to edit my speaker bio from Zoom Events. I'm all set and ready to go for the conference! Can't wait to be a part of it.

Thanks again!
Brian

Describe how to edit the text

- Accept
- Retry
- Improve writing

Opened by Regina 3 weeks ago

Which sessions am I presenting at for KM & AI Summit

You are scheduled to present at the following sessions for the KM & AI Summit 2025:

- 1. **March 18, 2025, 10:30 AM - 11:15 AM:** General Session - AI Collaboration Tools & Techniques for Knowledge Sharing. You will be using a new superintelligence platform to experiment live with on-the-spot focus groups and collaboration techniques. 1
- 2. **March 18, 2025, 4:30 PM - 5:15 PM:** C104: Digital Workplace Collaboration Platforms. You will moderate this session where intranet and digital workplace award-winners share their solutions. 1
- 3. **March 19, 2025, 3:30 PM - 4:15 PM:** Beyond KM: The AI-Driven Evolution of Conversations & Collaboration. This keynote explores the transformative power of AI in reshaping KM for the modern business world. 1



COPY  SOURCES 



In April, you have the following flights scheduled:

1. **Flight to San Francisco, CA:**

- **Date:** April 26, 2025
- **Flight Number:** UA1815
- **Departure:** 4:09 PM from Chicago, IL (ORD)
- **Arrival:** 7:06 PM in San Francisco, CA (SFO). 1

2. **Flight to Auckland, NZ:**

- **Date:** April 26, 2025
- **Flight Number:** UA917
- **Departure:** 10:40 PM from San Francisco, CA (SFO)
- **Arrival:** 7:10 AM on April 28, 2025, in Auckland, NZ (AKL). 1

These are your scheduled flights for April. If you need more details or have any specific questions, feel free to ask!



COPY  SOURCES 

Top Three Tools for Social Media

Manage your own personal brand with AI



Quuu

Find Relatable Content

Quuu ensures you'll always have the freshest, most relevant content to share with your followers on social media so you can automate your content curation

<https://quuu.co/>



MissingLettr

Streamline Sharing

Missinglettr is an all-in-one social marketing platform that turns your content into engaging social media posts and helps you solve distribution by finding the best influencers in your niche

<https://missinglettr.com/>



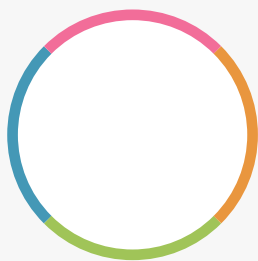
Ocoya

Automate Posting with AI

Your AI-powered hub for seamless social media scheduling and content creation. Elevate your digital presence with smart automation and creative tools. Its like ChatGPT with Canva

<https://www.ocoya.com/>

Ocoya Explored



All templates

Categories

Special

Ads

Blog

Business

Social media

Frameworks

Ecommerce

Fun

Video

NEW

AI assistant
Ask it to write anything!



Facebook ad
Optimized to get you maximum visibility



Google ad
Enabling you to become a Google Ad Master



YouTube Description
Create an engaging script for your audience

I'm your AI marketing assistant.
Ask me anything!
You can also copy my messages or ask to rewrite.

Ask anything...

EXAMPLE

Write about "Zoom"

"Zoom is a professional grade screen sharing screencasting technology that allows you to connect with people online."

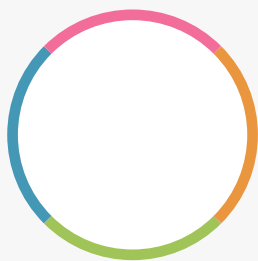
Pick template

Search for templates

 Evolve Project | Brian Pichman



44



We're constantly innovating so your business can thrive

Face cloning

Voice Cloning

Background Mode

LinkedIn Automation

BETA

Email your Videos

SMS your Videos

Zapier

Pabbly Connect

API

Community Templates

NEW

Script Generator



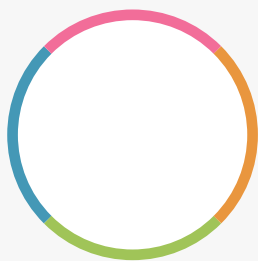
Clone yourself

Create a digital clone who looks like you, sounds like you, and knows what you know. Your clone can take meetings for you, talk to customers on your site, market your business and so much more.

AI Twin,
presented by
Twin
Protocol,

AI Content
Creation





 Easy to Use AI Video Editor | Wisecut

EASY-TO-USE AI VIDEO EDITOR

Watch Later

Share





Watch on

 YouTube

Video Editing Made Wise

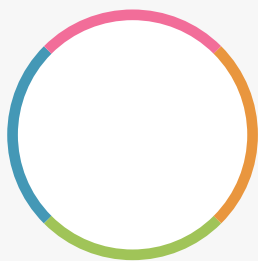
Wisecut is an online automatic video editing software that leverages AI and voice recognition to edit videos for you. Harness the power of AI to create engaging videos at lightning speed!





Managing Data Better

Use AI to digest information faster than a human can with more accurate calculations and new observations



Generate Formula

Use AI to generate MS Excel, Google Sheet or Airtable formula for you

Request

MS Excel

Google Sheet

Airtable Beta

Notion Beta

I have a date and time in Column A and I want to make Column B be that data but 23 hours later

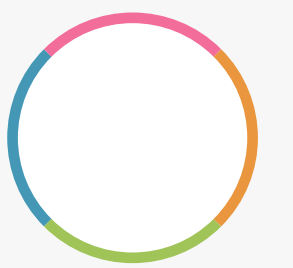
Generate Formula

Output

Column B (Date & Time): =A1+TIME(23,0,0)

Copy

That was incorrect

[Prebuilt Robots](#)[Use Cases](#) ▾[Resources](#) ▾[About Us](#)[Pricing](#)[Login](#)[Get Started for Free](#)

The **easiest way** to extract and monitor data from any website.

→ Train a robot in 2 minutes.

→ No coding required.

[Get Started](#)[What can it do?](#)



cryfe+

Contact us →

en

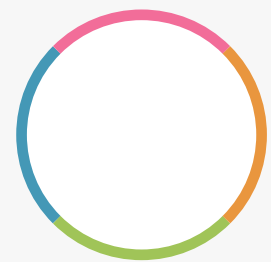


Discover the genuine intentions of the person in front of you

The only software that can analyze facial expressions, gestures and voice.

How it works →







Company ▾How it worksProducts ▾Help CenterPricing🇬🇧 English ▾

Login

Sign up



Asynchronous video interview software to screen better, faster.

Sign up as a Business

Schedule a Demo

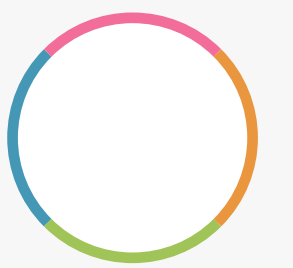
 4.2

 4.5





...how about assistive technology?



Create a Personal Voice on your iPhone, iPad, or Mac

With Personal Voice, you can create a synthesized voice that sounds like your own to communicate with family and friends. Use your Personal Voice to type to speak in FaceTime and phone calls, assistive communication apps, and in-person conversations.

<https://support.apple.com/en-us/104993>

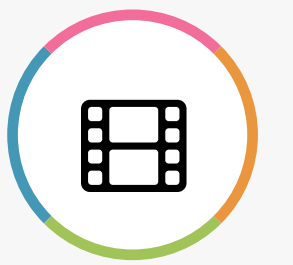
Dubverse Product Use Cases Resources Company Login

Easiest *(and magical)* way to Dub videos ✨

Make your content multilingual at a click of a button and reach more people.

Get Started for free Watch Video

<https://dubverse.ai/>



Leveraging the Power of AI

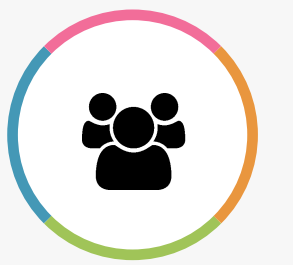
Enhance IT Security and Administration

- Eliminate repetitive tasks
- Analyze Data to predict and prevent potential issues.
- Enhance Security performing millions of analysis cycles to review network activity in real-time.
- Automatically detect and prevent security threats.
- Leverage Ai tools to better enhance your application develop to get in front of potential future security threats.
- Monitor server and system logs in real-time and have Ai provide actionable data to correct identified issues.



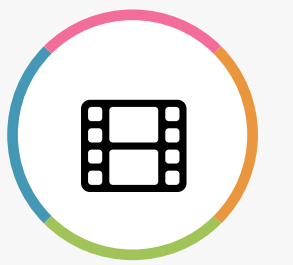
AI in use of Security

Operational AI



Dark Side of AI In Security

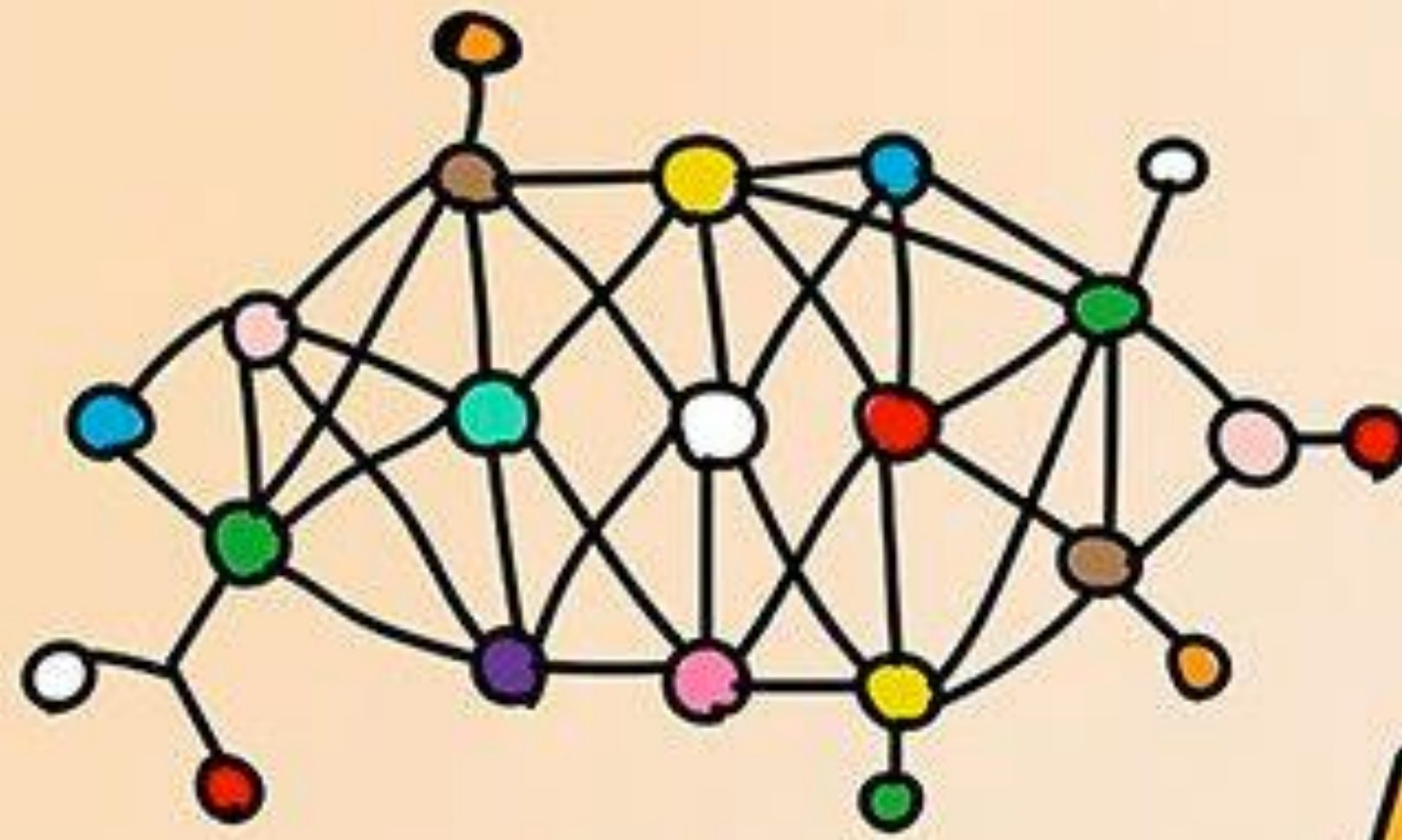
Some Thoughts



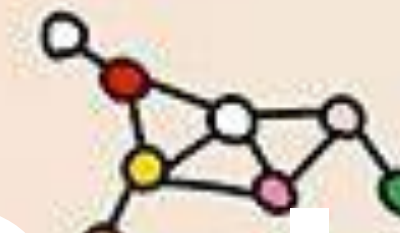
What Do Malicious Actors Do?

- Can use tools like ChatGPT or similar to look at weak code and ask how to fix it ... in hopes of tricking the AI to provide entry points
- Remember how easy it was to see a malicious email because of grammar or spelling errors? AI fixes that (even tools like Grammarly have been helping)
- AI can digest a vast amount of information and can write official-looking emails posing as a CEO or other executives.





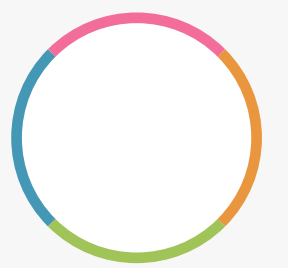
AI



What Problem Do I Want to Solve



The Problems



- Great Conference...but how can I be in more places than once?
- I don't ever look at my notes again and forget half the things I wrote ... why did I draw a million doodles?
- I wish I had someone I could talk to about this conference.

Yesterday I saw A book called 'How to solve 50% of your problems" So I bought two books.



The key to excellent engineering design:



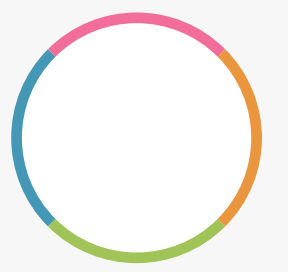
@mechanicalengineeringmemes

Solve problems



Identify and properly define problems

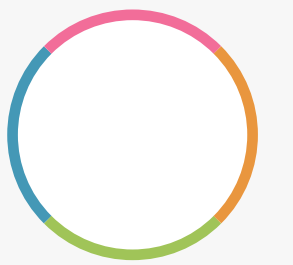
Imagine...



Imagine if instead of taxes we got puppies mailed to us once a year

@dogsbeingbasic





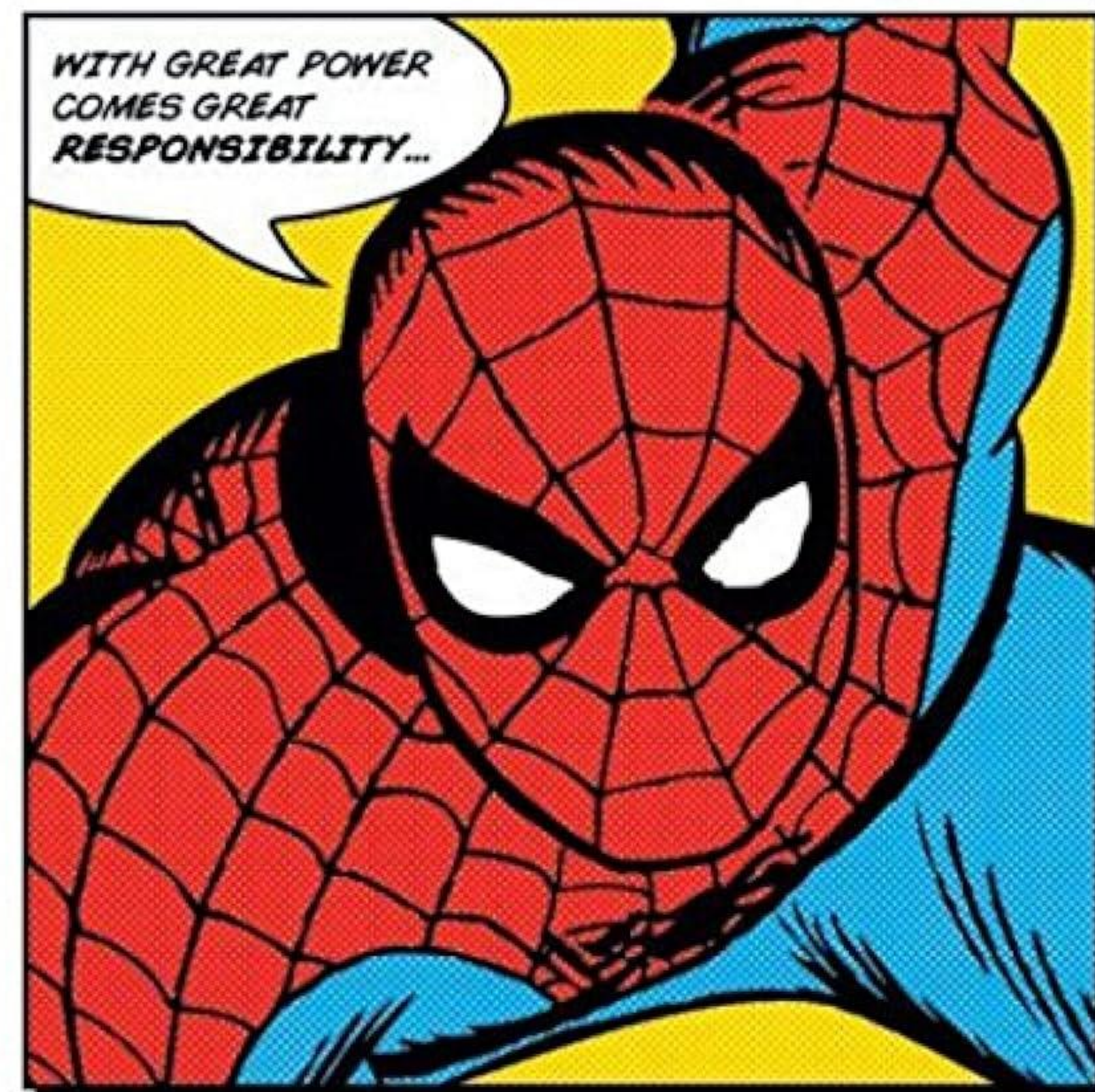
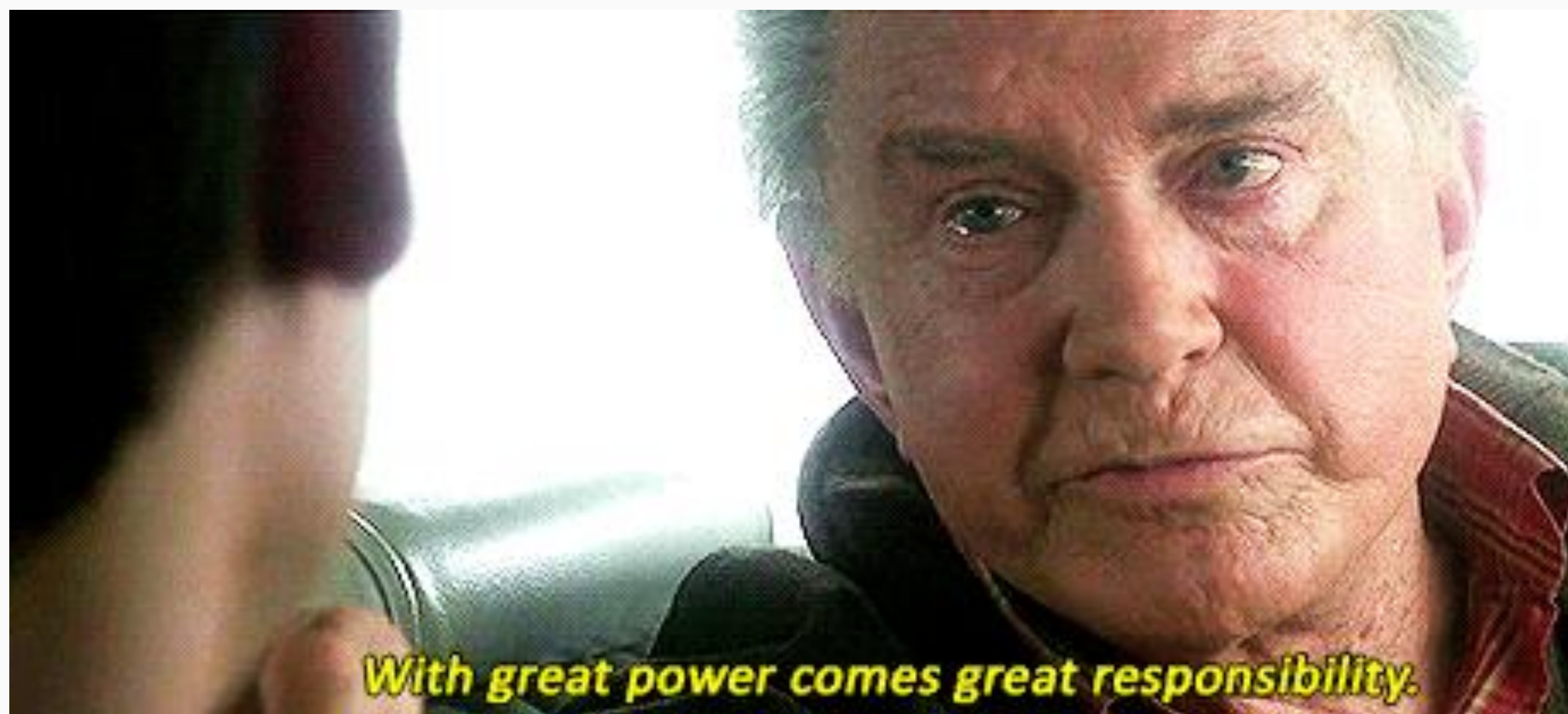
Hi! What can I help you with?

Tell me about this conference, what was the topics discussed?

The KM AI Summit covered a variety of topics related to knowledge management and the integration of AI within organizations. Some key themes included:

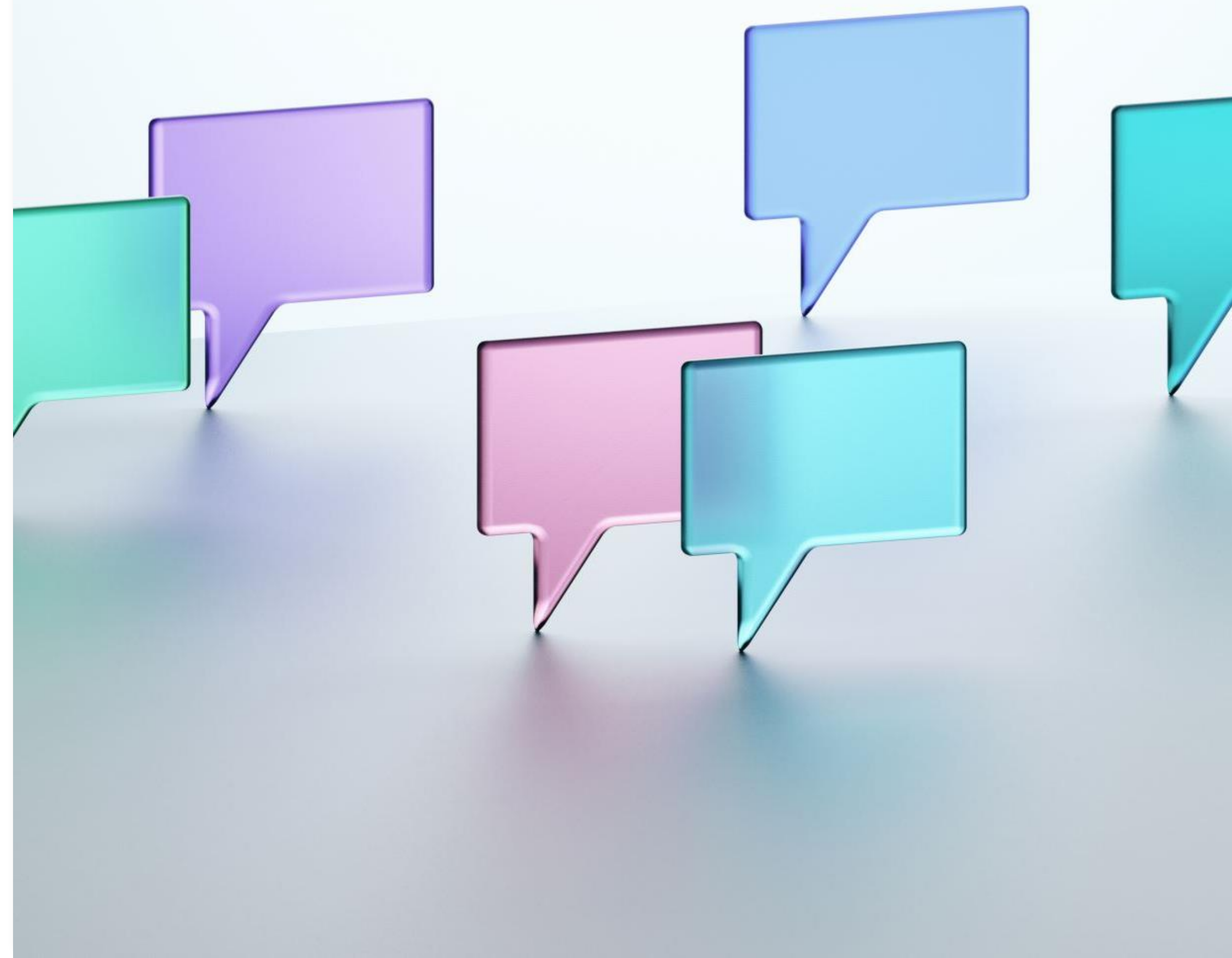
1. **Barriers to AI-Driven Knowledge Management** : Discussions revolved around identifying significant barriers organizations face when implementing AI in knowledge management, such as budget constraints and resource limitations.
2. **Insights from Group Discussions** : There was a live online session where a group of 28 knowledge management professionals shared their insights on various questions, highlighting collective challenges and solutions in the field.
3. **Leadership and Alignment** : The importance of leadership, understanding, buy-in, and alignment among team members was emphasized as critical for successful knowledge management initiatives.
4. **Networking and Collaboration** : The conference also focused on the value of networking and collaboration among professionals in the field, encouraging attendees to engage with sponsors and each other.
5. **Future of Knowledge Management** : There were discussions about the evolving landscape of knowledge management and how AI can play a role in enhancing processes and outcomes.

What specific aspect of the conference are you most interested in exploring further?



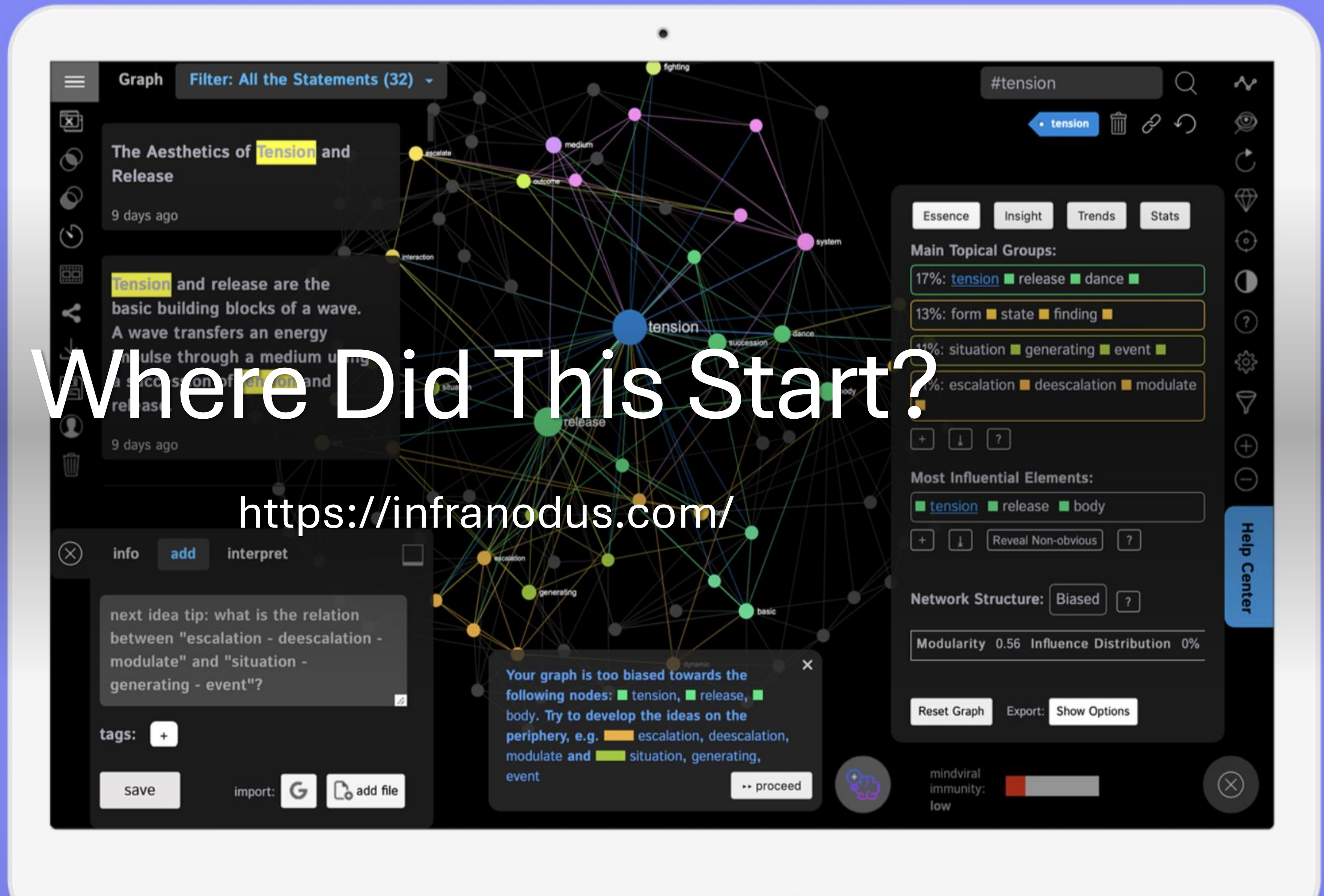
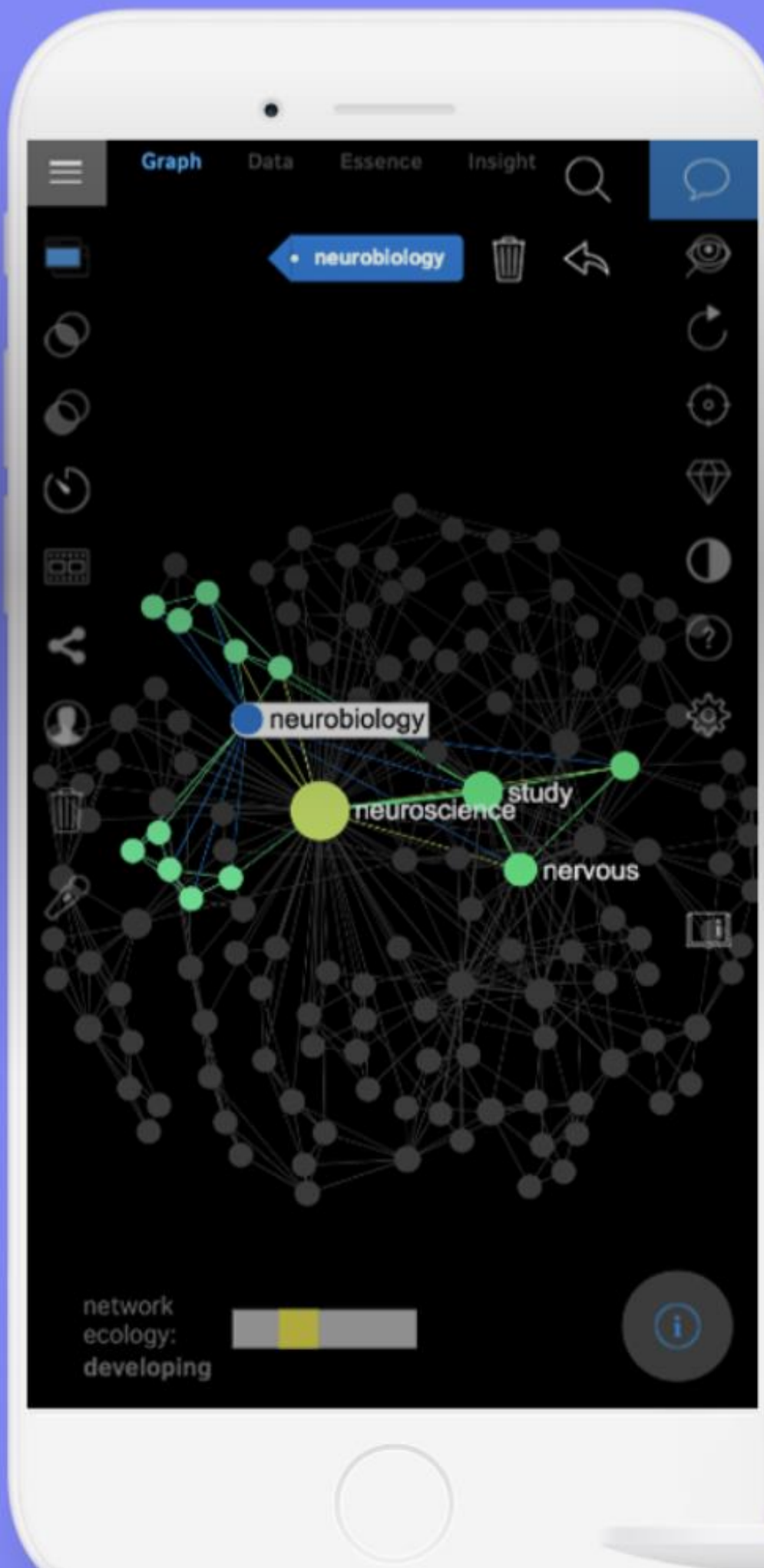
The Why

- Imagine being able to be in more than one place at a time.
- Chat bots today (most) only give answers and not a dialog or a discussion.
- What if we trained a chatbot to have dialog and be in more than one place at a time?

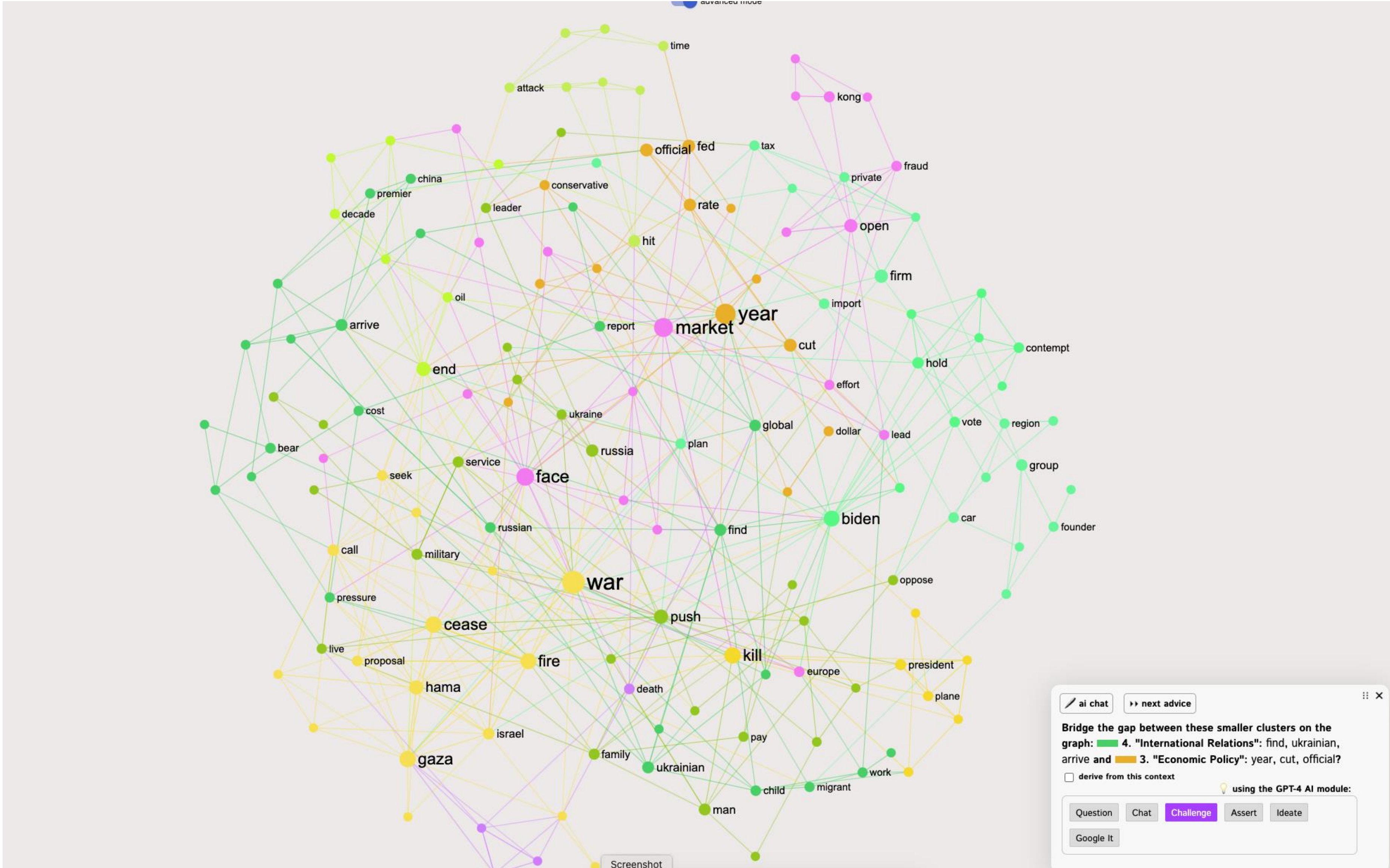


Where Did This Start?

<https://infranodus.com/>



4 - Knowledge Graphs





1. Get an Overview of Any Text

Analyze ideas, articles, books, Google search results, surveys, tweets, spreadsheets.



2. Discover the Gaps in Ideas

Reveal the most important connections and gaps between them using a text network.



3. Generate Insight using AI

Use the built-in GPT-4 AI model to bridge those gaps and enrich your perspective.



Multiple Import Sources

Use a live editor and import data from anywhere.



Text Mining & Sentiment

Includes the key text analytics insights.



Interactive Text Visualization

Harness the power of visual thinking.



GPT-4 AI-Enhanced Workflow

AI that thinks with you, not for you.



Multilingual

Supports multiple languages.



Fully Shareable

Share online, embed, or export hi-res images.



Private by Default

Your data is private and stored in EU.



Browser Extension

Analyze the content of any web page and YouTube videos.

Infranodus

- Knowledge Graphs

- The iPhone maker isn't paying OpenAI to use the chatbot
- Apple announced OpenAI agreement as part of AI push this week



Tim Cook, from left, John Giannandrea and Craig Federighi during the Apple Worldwide Developers Conference at Apple Park campus in Cupertino on June 10. *Photographer: David Paul Morris/Bloomberg*

By [Mark Gurman](#)

InfraNodus AI ☰ ✎ 🔗 🔗 ⚙️ ✕

❓ Gap Question 💡 Answer the Question

📄 🔄 💬 to chat 📌 save clip ✕

How does the leadership transition at Apple, as seen in the context of Tim Cook, John Giannandrea, and Craig Federighi, impact the financial market, particularly in relation to data-driven investment strategies and market yields?

☐ go beyond this context

⏮️ show gap 1/5 📄 reveal underlying

based on the gap between these topics:

Your Personalized AI Meeting Automation platform

Maximize the value of your team meetings

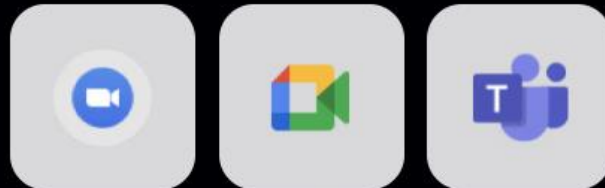
Automatically video record, transcribe, summarize, and share granular insights from every meeting to any tool.

[Sign Up for Free](#)

[▶ Watch Demo](#)

No credit card required.

Works with



Equipment

Tascam-DR-40X



Anker M650



Used Whisper to convert speech to text) offline

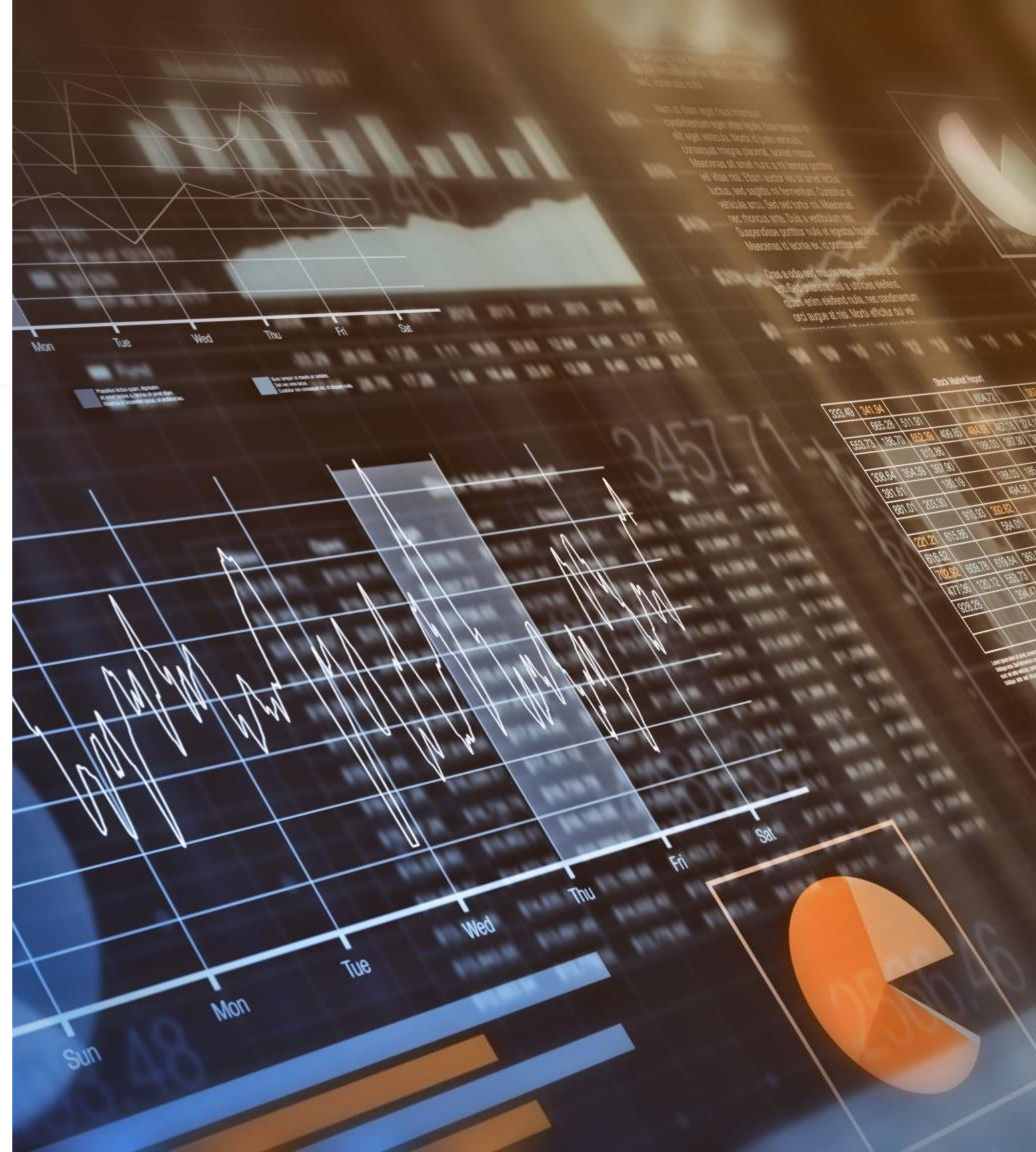
- <https://github.com/openai/whisper>

Step 2C: Whipser Install (Offline Install for later Offline Use)

- **Option 1:** Get the most up to date version of Whisper:
 - Install Python and Git from Step 1 on an second computer you can connect to the internet and reboot to ensure both are working.
 - On the ONLINE machine open a command prompt in any empty folder and type the following commands:
 - `pip download git+https://github.com/openai/whisper.git`
 - `pip download blobfile`
- **Option 2:** Download all the necessary files from here [OPENAI-Whisper-20230314 Offline Install Package](#)
- Copy the files to your OFFLINE machine and open a command prompt in that folder where you put the files, and run
 - `pip install openai-whisper-20230314.zip` (note the date may have changed if you used Option 1 above).
 - `pip install blobfile-2.0.2-py3-none-any.whl` . (note the version may have changed if you used Option 1 above).
- Continue to **Step 3: Download Other Required Files**

Transcriptions

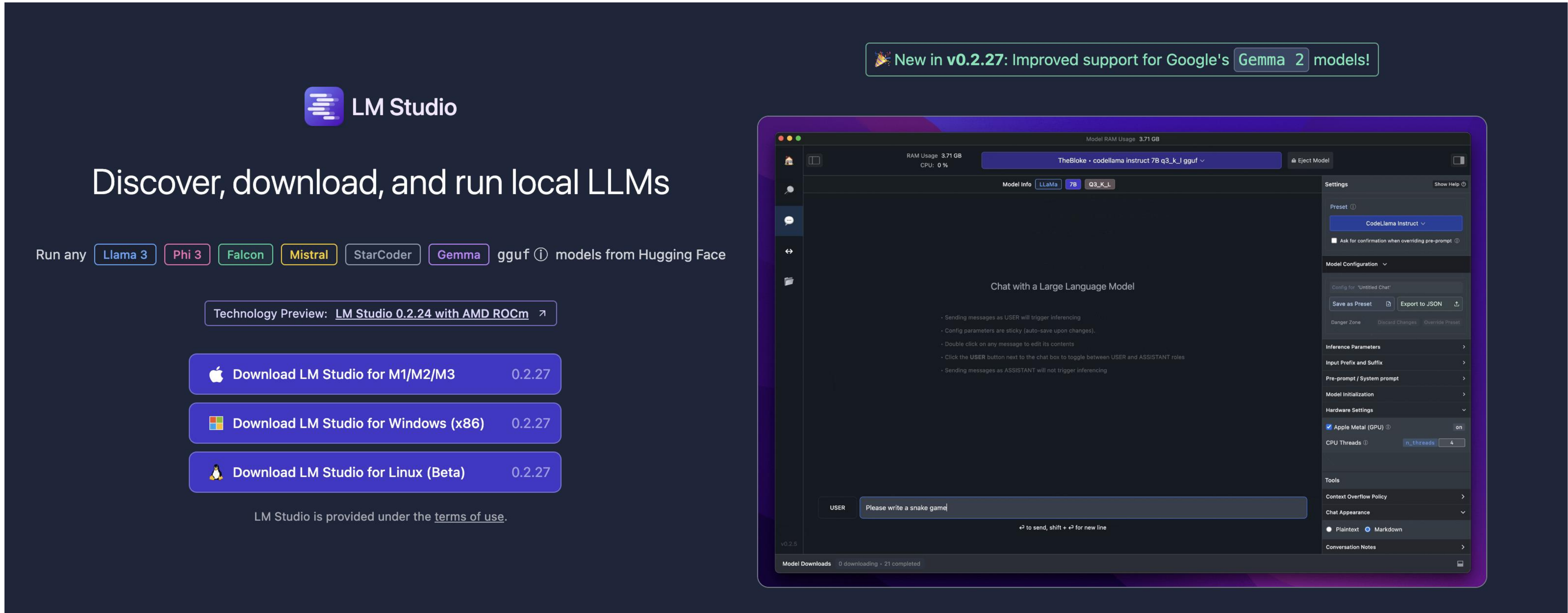
- Sound Quality Challenge
 - Using devices that have built-in noise cancelation and can be plugged directly into a sound system.
- Transcription Accuracy Challenge
 - The approach focuses less on “exact” phrases but on overall themes. So, while there may be some transcription issues, the vast majority of the data is transcribed accurately (80-90%)
- It is still essential to spot-check and scan through transcriptions before they are fed into a model for summarization.



Built a RAG

- RAG – Retrieval Augmented Generation
 - Think of it as a discovery layer
- <https://iwasnothing.medium.com/build-a-local-rag-server-on-macbook-pro-6b45f86f2ce9>
- <https://community.amd.com/t5/ai/how-to-enable-rag-retrieval-augmented-generation-on-an-amd-ryzen/ba-p/670670>





With LM Studio, you can ... 🤖

- Run LLMs on your laptop, entirely offline 🧑🏻💻 –
- Use models through the in-app Chat UI or an OpenAI compatible local server 📁 –
- Download any compatible model files from HuggingFace 😊🔫 repositories
- Discover new & noteworthy LLMs in the app's home page

What are the minimum hardware / software requirements?

- Apple Silicon Mac (M1/M2/M3) with macOS 13.6 or newer
- Windows / Linux PC with a processor that supports AVX2 (typically newer PCs)
- 16GB+ of RAM is recommended. For PCs, 6GB+ of VRAM is recommended
- NVIDIA/AMD GPUs supported



MacBook Pro

16-inch, Nov 2023

Chip	Apple M3 Pro
Memory	18 GB
Serial number	LK7QYGX01X
macOS	Sonoma 14.5

More Info...

[Regulatory Certification](#)
™ and © 1983-2024 Apple Inc.
All Rights Reserved.

RAM Usage 7.90 GB
CPU: 73.50 %

QuantFactory • Meta Llama 3 Instruct 7B Q8_0 gguf ▾

⌵ Eject Model

⬆ Export

Llama

7B

q8_0 ⓘ

GGUF

plaintext

markdown

monospace

USER

what is the biggest advantage of using Open Source in libraries? Two sentences.

AI

One of the biggest advantages of using Open Source in libraries is that it allows for collaborative development and customization, enabling librarians and developers to work together to create tailored solutions that meet specific needs and improve over time. Additionally, open source software can be freely modified, distributed, and used, reducing costs and increasing flexibility, which is particularly beneficial for libraries with limited budgets or unique requirements.

🔄 Regenerate

▶ Continue

Multi Model Session

CPU Usage0.00 %?

RAM Usage10.19 GB / 18.00 GB?

Load & Use Multiple Local LLMs

Eject some models before loading new ones

QuantFactory/Meta-Llama-3-8B-Instruct-GGUF/Meta-Llama-3-8B-Instruct.Q8_0.gguf

Eject

lmstudio-ai/gemma-2b-it-GGUF/gemma-2b-it-q8_0.gguf

Eject

QuantFactory/Meta-Llama-3-8B-Instruct-GGUF/Meta-Llama-3-8B-Instruct.Q8_0.gguf

Preset: Llama 3 V2

API Model Identifier

QuantFactory/Meta-Llama-3-8B-Instruct-GGUF/Meta-Llama-3-8B-Instruct.Q8_0.gguf

Copy cURL command

Use the model identifier in the "model" field of your payload.

Copy cURL command

Custom Instructions

You are a helpful, smart, kind, and efficient AI assistant. You always fulfill the user's requests to the best of your ability.

If you provide a system prompt through the API, it will override the instructions given here.

Structured Output

Select Option

NoneJSON ModeCustom JSON Schema

No structured output settings applied.

How do multi-model sessions work?

Developer Mode: Concurrent Usage Guardrails

Keep guardrails on (strongly recommended)

Multi Model Prompter

LM Studio v0.2.27

OpenSource software and Artificial Intelligence (AI) can significantly benefit libraries by providing cost-effective solutions for managing collections, improving discovery, and enhancing user experience. For instance, OpenSource Integrated Library Systems (ILS) like Koha and FOLIO offer customizable and flexible alternatives to proprietary systems, enabling libraries to tailor their services to specific needs. AI-powered tools can also assist in cataloging, metadata enrichment, and natural language processing, reducing manual labor and increasing the accuracy of library records. Furthermore, AI-driven recommendation systems and chatbots can be integrated into library websites and mobile apps to provide personalized suggestions and support for users, making libraries more accessible and user-friendly.

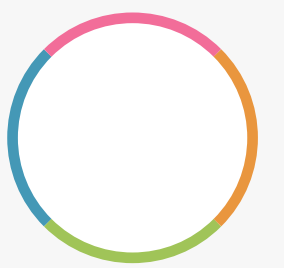
132 tokens, 9.67 tok/secQuantFactory/Meta-Llama-3-8B-Instruct-GGUF/Meta-Llama-3-8B-Instruct.Q8_0.gguf

{
 "How Open Source and AI Can Help Libraries": 1.1470305897469202,
 "Libraries can leverage Open Source software to streamline workflows, enhance collections management, and improve user experience.": 1.1470305897469202,
 "AI plays a crucial role in analyzing library data, identifying trends and patterns, and recommending personalized services.": 1.1470305897469202,
 "By integrating AI into their workflows, libraries can save time and resources, improve decision-making, and provide better customer service.": 1.1470305897469202,
 "Open Source and AI technologies offer a collaborative approach to library modernization, allowing libraries to share best practices and expertise.": "These technologies, when combined, can empower libraries to thrive in the diqital age and provide seamless and

In four sentences, describe how OpenSource and AI can help libraries?

Send

Understanding LMStudio



Model Sizes (e.g., 7B, 13B, 30B, 65B)

These numbers refer to the number of **parameters** (billions) in the model:

- **7B (7 billion parameters)** → Smaller, runs faster, less powerful
- **13B (13 billion parameters)** → More capable, still relatively efficient
- **30B (30 billion parameters)** → Even smarter but requires more RAM
- **65B (65 billion parameters)** → Very powerful but needs high-end hardware

Which to choose?

- If you have **limited RAM (8-16GB)** → 7B or 13B
- If you have **more RAM (24GB+)** → 30B or higher for better quality
- If you have a **high-end system (64GB+ RAM, strong GPU)** → Go for 65B

Context Length (e.g., 4K, 16K, 32K)

This determines how much text the model can “remember” in one interaction.

- **4K (4,096 tokens)** → Shorter memory, but faster
- **16K or 32K** → Can handle longer conversations, uses more RAM

Which to choose?

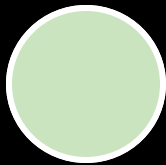
- **For chatting and casual use?** → 4K-8K
- **For research, summarization, or coding?** → 16K+

Each parameter is essentially a tiny part of how the model processes and generates text. More parameters generally mean a **smarter and more capable model**, but also require **more computing power** to run.

So...where do we go from
here?



Selecting AI Tools



Assess Needs

Identify services that could benefit from AI enhancement.



Vendor Evaluation

Choose AI vendors that adhere to ethical standards.

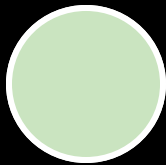


Community Feedback

Involve users and team in the selection process.



Data Collection and AI Models



Data Ethics tells us to respect
user privacy and offer consent

- Help ensure diversity by
representing all community
segments

Design (or choose) an AI System
that is transparent where you can
see how it responds to questions,
how the model is trained, and
what data sets its using

Grow and Monitor



Conduct pilot tests to evaluate the AI performance before making live for everyone

Use a feedback process to refine the responses



Monitor the impact and effectiveness

Does it cause an increase to revenue, employee satisfaction?



Explain the role of AI



Policies

Considerations for Policy Writing

- Establish core ethical principles specific to your needs.
 - This could be safety and inclusion
- Determine how you will review and update these policies
- Use clear, accessible language to ensure all stakeholders understand the policies.
- Define roles and responsibilities for enforcement and oversight.
- Schedule regular policy reviews to adapt to new AI developments and community needs.

The City's Policy on Generative AI

Generative AI is a class of artificial intelligence systems, including algorithms, deep-learning, and machine learning models, capable of generating new content, including but not limited to text, images, video, and audio, based on the inputs of training datasets. These also include systems capable of ingesting input and translating that input into another form, such as text-to-code systems.

The City of Seattle released its [Generative Artificial Intelligence \(AI\) policy](#) [PDF] in October 2023. The policy was developed with input from regional AI experts, university researchers, and members of the Community Technology Advisory Board (CTAB). The policy governs the use of Generative AI based on the City's principles. This allows for flexibility for City employees to use new technology while ensuring City employees adhere to the guidelines.

The policy requires that City employees acquire generative AI technology through the City's approved procurement channels, which will include a review step to determine if the AI technology is consistent with the City's standards. It also directs City employees to ensure that there is a "human in the loop" to review output from generative AI technologies, and that the review process is documented. The policy also requires employees to attribute any content created by AI and published on behalf of the City to the AI system that produced it. Finally, the policy directs employees to ensure that any data or content submitted to AI systems or generated by AI systems be free of harmful bias, control for potential data privacy concerns, and comply with the State of Washington Public Records Act and all relevant City policies concerning records retention and disclosure.

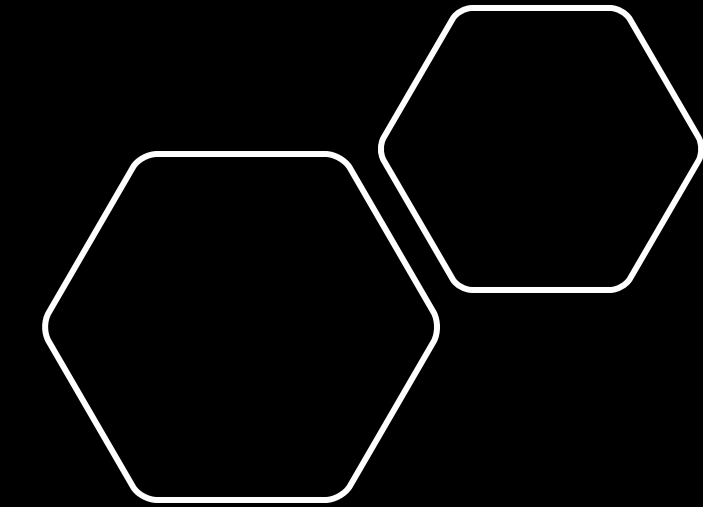
Great Example

<https://www.seattle.gov/tech/data-privacy/the-citys-responsible-use-of-artificial-intelligence>

Artificial Intelligence Principles

The City of Seattle has adopted the following principles regarding AI systems in general. These principles describe general codes of conduct that represent the City's values and are aligned with our responsibilities to the residents we serve. These principles serve to guide City employees in their use of both generative and traditional AI technology.

- 1. Innovation and Sustainability:** The City values public service innovation to meet our residents' needs. We commit to responsibly explore and evaluate AI technologies, which will improve our services and advance beneficial outcomes for both people and the environment.
- 2. Transparency and Accountability:** The City values transparency and accountability and understands the importance of these values in our use of AI systems. The City will ensure that the development, use, and deployment of AI systems are evaluated for and compliant with all laws and regulations applicable to the City prior to use, and will make documentation related to the use of AI systems available publicly.
- 3. Validity and Reliability:** The City will work to ensure that AI systems perform reliably and consistently under the conditions of expected use, and that ongoing evaluation of system accuracy throughout the development and/or deployment lifecycle is managed, governed, and auditable, to the greatest extent possible.
- 4. Bias and Harm Reduction and Fairness:** We acknowledge that AI systems have the potential to perpetuate inequity and bias resulting in unintended harms on Seattle residents. The City will evaluate AI systems through an equity lens, in alignment with our Race and Social Justice commitments, for potential impacts such as discrimination and unintended harms arising from data, human, or algorithmic bias to the extent possible.
- 5. Privacy Enhancing:** The City values data privacy and understands the importance of protecting personal data. We work to ensure that policies and standard operating procedures that reduce privacy risk are in place, and are applied to the AI system throughout development, testing, deployment, and use to the greatest extent possible.
- 6. Explainability and Interpretability:** The City understands the importance of leveraging AI systems, models, and outputs that are easily interpreted and explained. We work to ensure all AI systems and their models are explainable to the extent possible, and that system outputs are interpretable and communicated in clear language, representative of the context for use and deployment.
- 7. Security and Resiliency:** Securing our data, systems, and infrastructure is important to the City. We will ensure AI systems are evaluated for resilience and can maintain confidentiality, integrity, and availability of data and critical City systems, through protection mechanisms to minimize security risks to the greatest extent possible, in alignment with governing policy and identified best practices.



Recapping

- It is important to be surgical in an approach to using AI – whether you're developing it or purchasing a solution
 - The more communication you have around what is being done, the better the outcome and usage will be

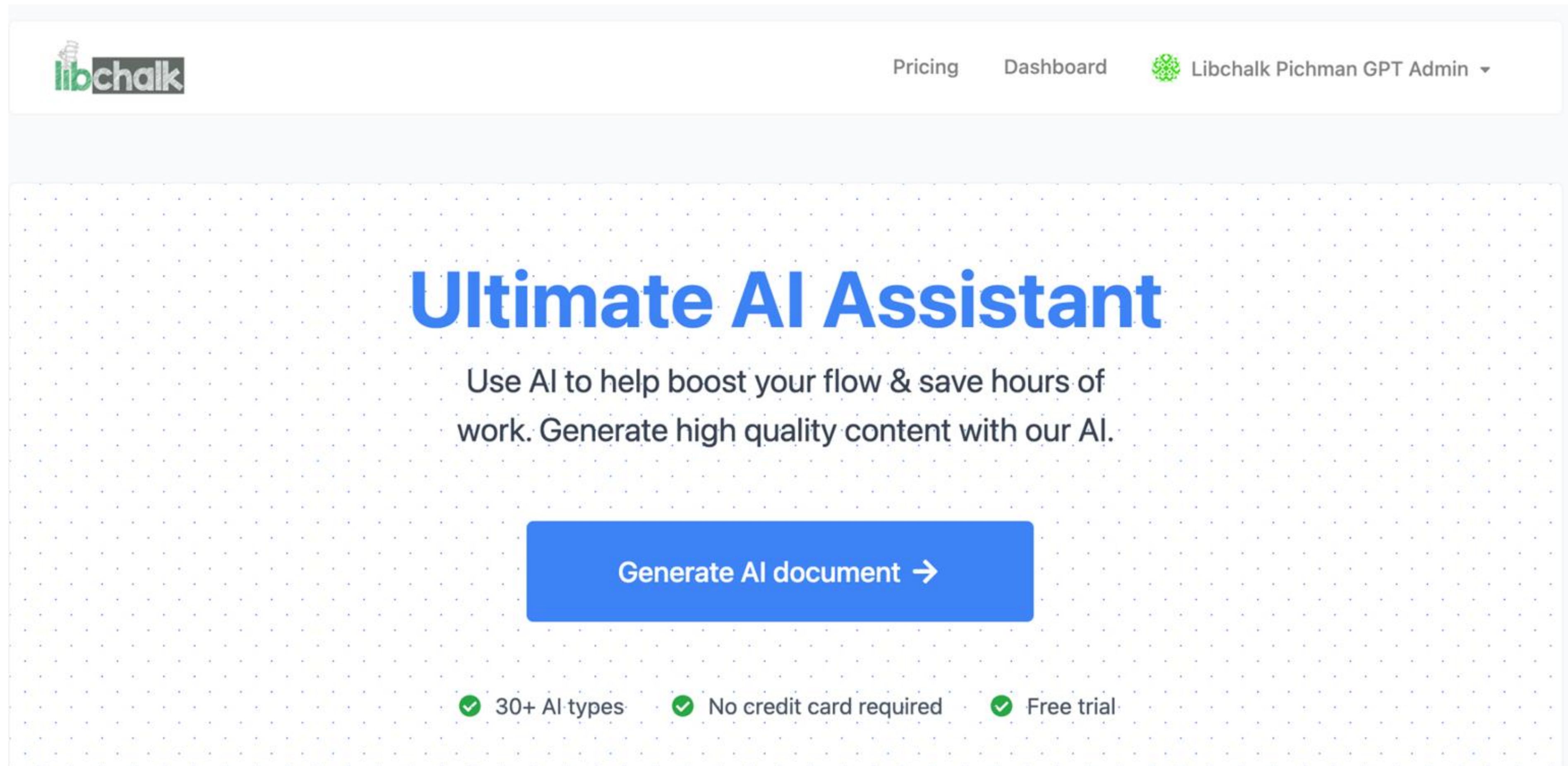


AI Model Collapse / AI Degradation

- Overtime, a model can get over saturated with “nonsense” data
 - Best solution – use an LLM and a RAG
 - Purge the LLM and refresh based on use
 - RAG Data doesn't change, LLM data can with user input



Our AI Powered Playground



<https://links.evolveproject.org/aidemo>

Questions?

- Brian Pichman
- bpichman@evolveproject.org