



Juvenile Court and the Potential Impact of AI

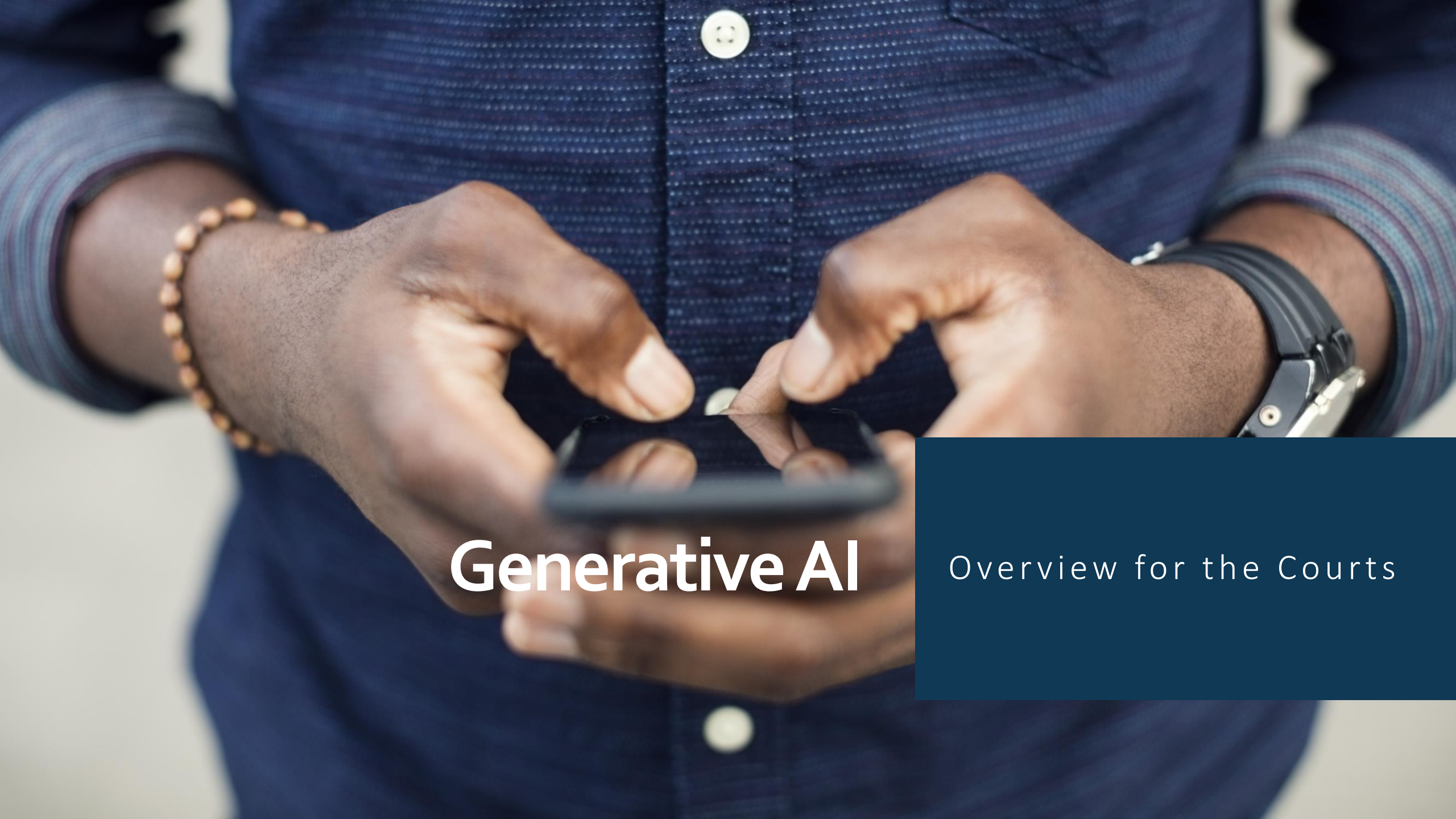


A Webinar Presented by
Juvenile Justice Vision 20/20

Kevin J Bowling, JD, MSJA, ICM Fellow

JJV2020 Vice President

January 16, 2025



Generative AI

Overview for the Courts

Agenda

What is Generative AI and how does it work?

Benefits of Generative AI

Challenges, Limitations, Legal/Ethical Concerns

Potential Uses (and Misuses) in the Justice System

Where Generative AI is Heading Next

Immediate Policy Considerations and What Courts Need to Do

Resources





DALL-E "Generative AI changing quickly"

Warning/Caveats

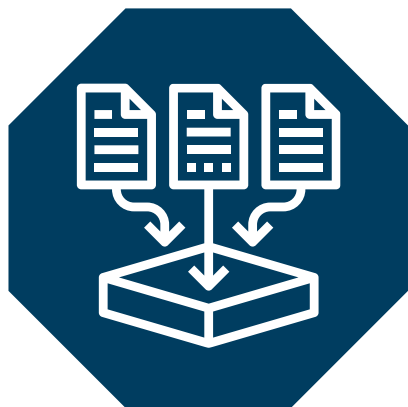
- AI is NOT new technology – BUT Generative AI hasn't been around long enough for anyone in the Court world to develop broad expertise in its application in the courts.
- Also due to its age, it is very fluid. Everything we talk about today may be outdated next week.
- Generative AI is developing at a pace much faster than the regulators, legislators or judges can keep up with.
- Be wary of vendors that proclaim they have "AI" – there are multiple technologies, including Generative AI that fall under the AI umbrella.

Artificial Intelligence – What Is It?

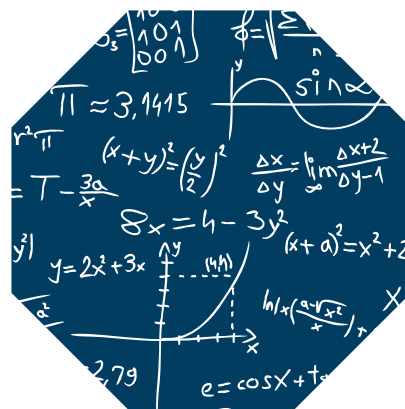
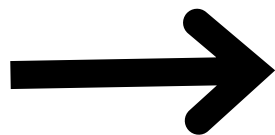
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- A **machine that displays intelligent behavior**, such as reasoning, learning and sensory processing.
 - AI involves tasks that have historically been limited to humans and intelligent animals, such as **decision-making and problem-solving**.



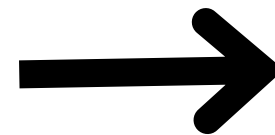
AI IS JUST MATH DOING THINGS WITH DATA



DATA

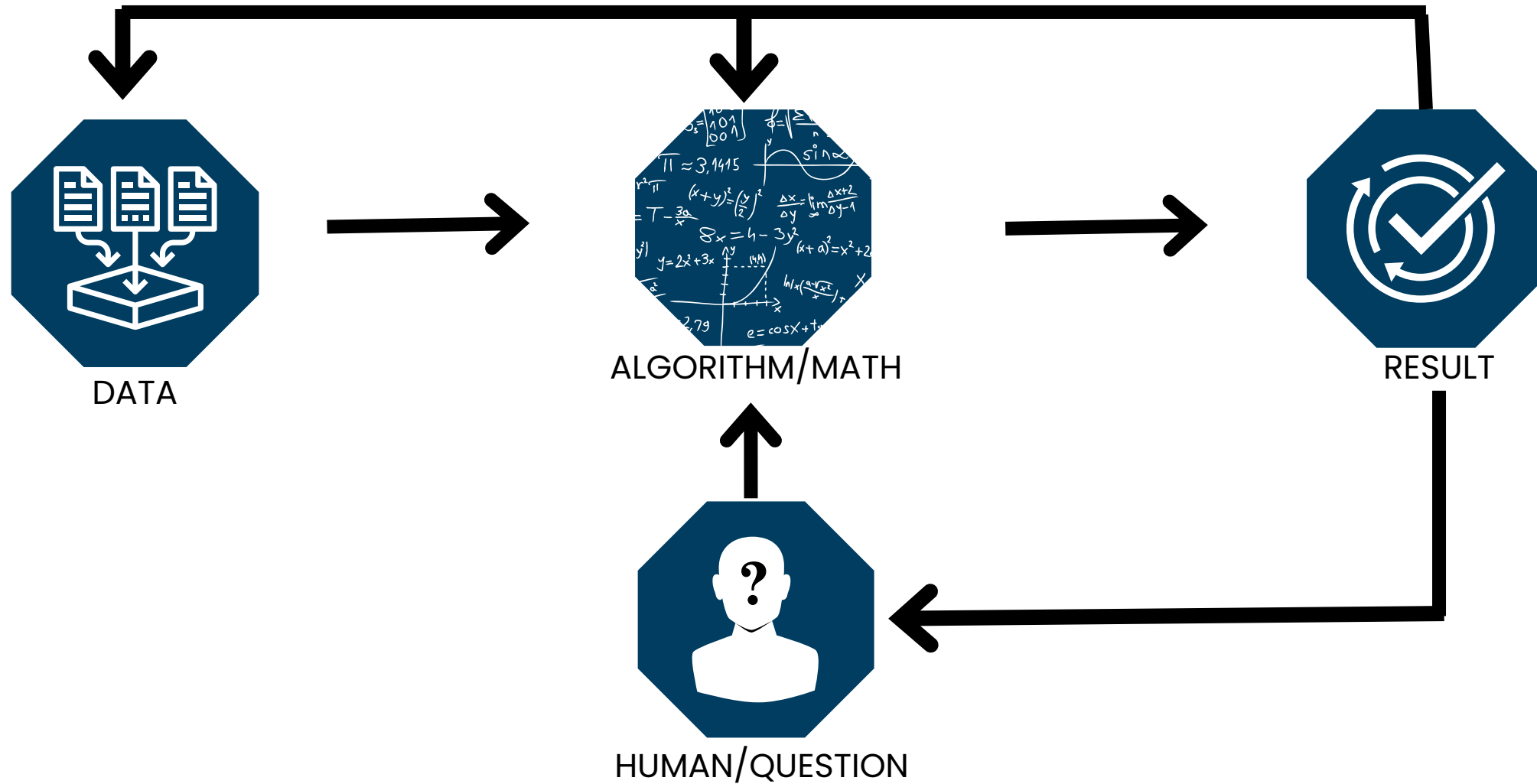


ALGORITHM/MATH

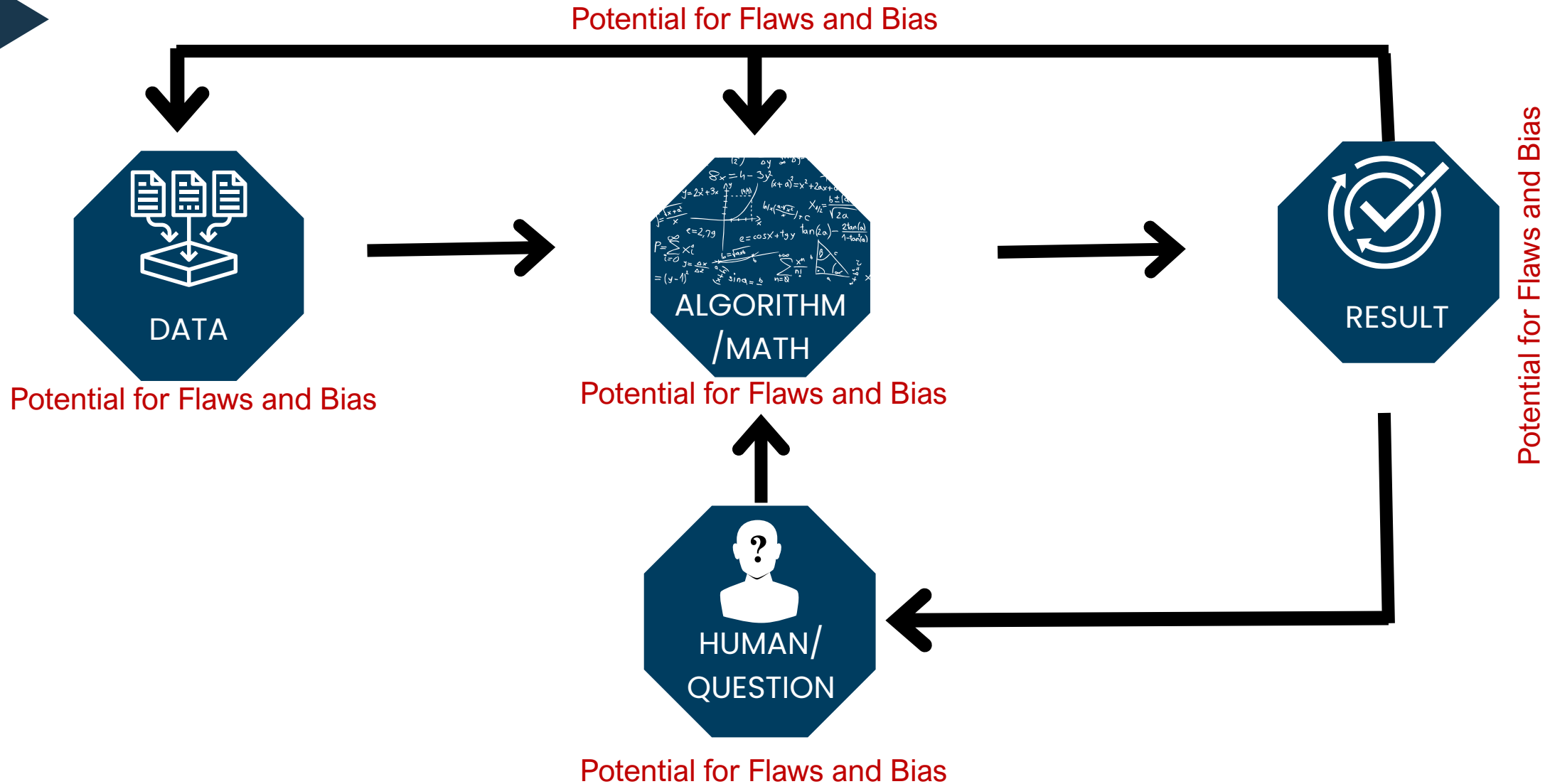


RESULT

AI IS JUST MATH DOING THINGS WITH DATA

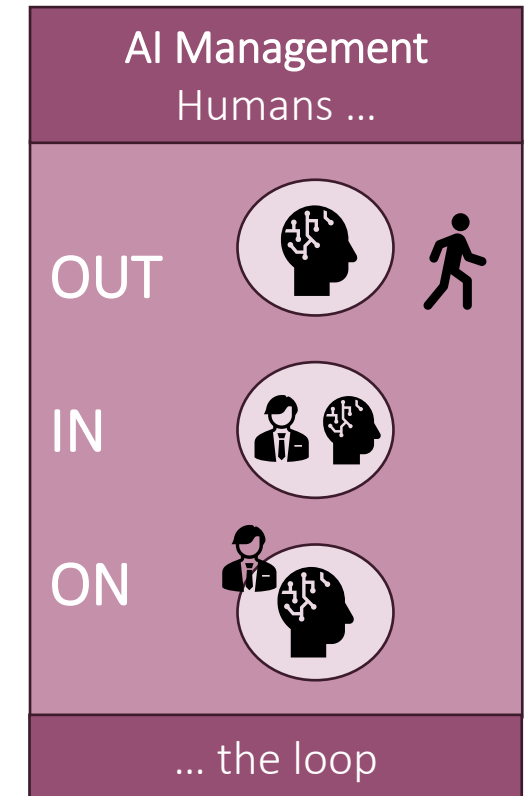
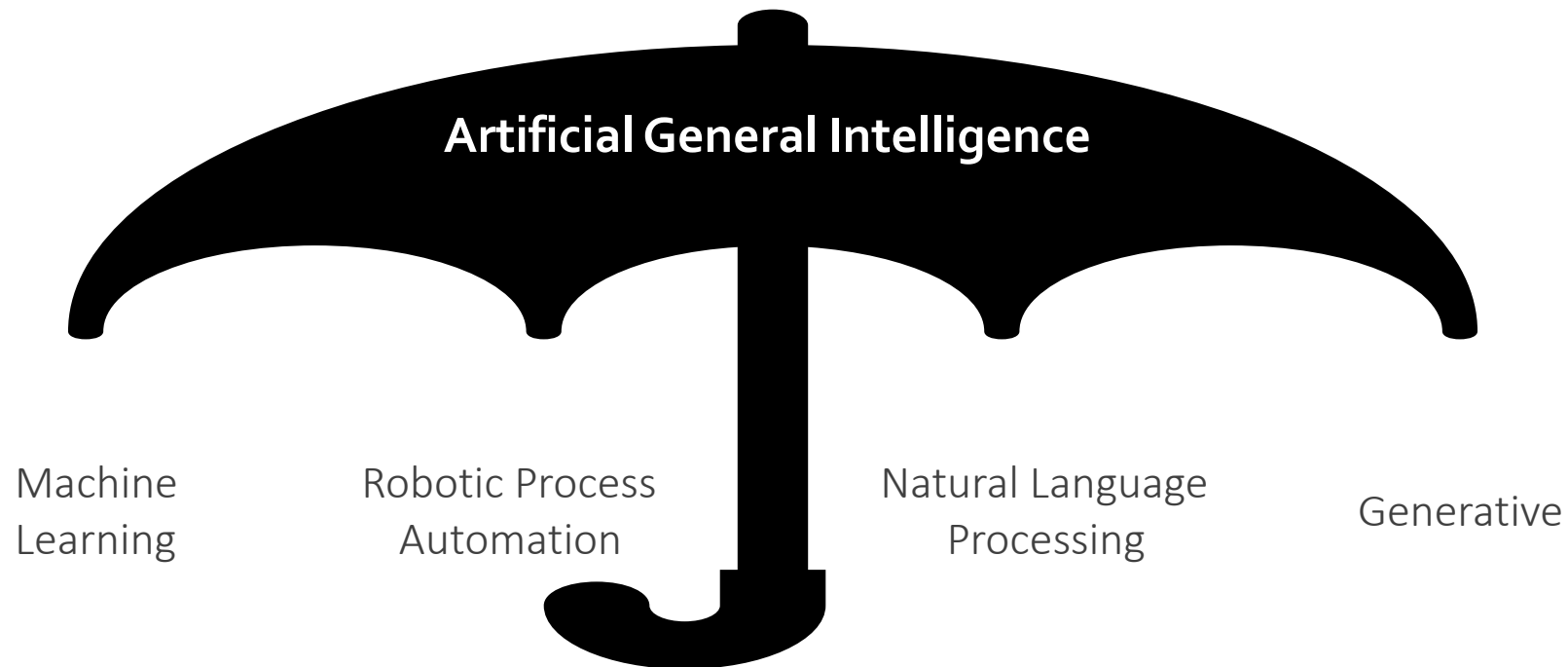


AI IS JUST MATH DOING THINGS WITH DATA



The AI Umbrella of Technologies

The term Artificial Intelligence (AI) is used in many ways. AI is a family of different technologies, much like there are many different case types under civil or criminal or probate or....



What is Generative AI and how does it work?

The keyword is
"Generative"

Generative AI takes an existing set of data and "generates" new data based on the data it has been trained on.

Data comes in all forms including text, video, pictures, audio. EVERYTHING is data.



 **VALL-E**



Data is taken from sources. Depending on the implementation, it may be text, video, or audio, or a combination of all the above.



Developed algorithms (secret sauce) take the data and categorize it and learn from it.



Humans then provide a prompt the trained Generative AI uses to generate new data (text, video, images, audio).



The Generative AI then produces original content based on the source training data.

A Sample of Generative AI Applications

Text Generation

Writers, Bloggers, Lawyers



ChatGPT

Gemini



perplexity



Copilot



cohere

Code Generation

Programmers



GitHub
Copilot



CODACY



tabnine

adCODE



replit

Image/Video Generation

Artists, Photographers,
Videographers



DALL-E 2

starryai+



Midjourney



Stable Diffusion



synthesia



Adobe

Other Generative AIs

Voice Actors, Musicians,
Exec Assistants



VALL-E



tome



Gamma



MURFAI

Loudly



Why is AI so different from previous tech advancements?



\$50B by 2027

Hallucinations



AI hallucinations are incorrect or misleading results that AI models generate. These errors can be caused by a variety of factors, including insufficient training data, incorrect assumptions made by the model, or biases in the data used to train the model.

Deepfakes



- Misleading Digital Evidence
- Detection tools being developed and tested
- Are judges responsible? OR
- Are attorneys and litigants accountable?

AI Generated Judicial decisions?

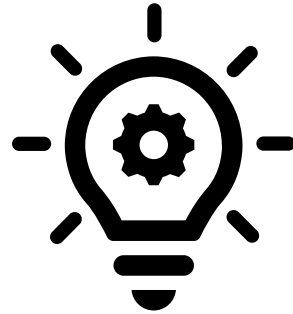


Benefits of Generative AI



SPEED

Can handle larger and more complex data sets than a human.



IDEA/CONTENT CREATION

Can generate new ideas and content that was previously not considered by humans.



RESOURCE GENERATION

Can be used for data set generation, modeling, forecasting.



INTERFACE

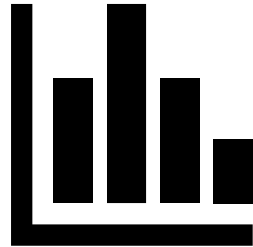
Can provide the ability to interact via voice, chat, or images via multiple languages.

Challenges, Limitations, Legal/Ethical Concerns



COST

- Cloud-hosted ongoing costs.
 - High compute costs.
- Environmental costs (climate).
- Labor displacement considerations.



DATA

- Not enough data.
- Bias built-in to existing data.
- Only public data should be used.
- Scrutiny of processes around data generation.



RELIABILITY

- Must be human supervised.
- AI hallucinations may occur.
- Even Generative AI detection tools may not be accurate.
- Rising need for “Prompt Engineering”



OWNERSHIP

- Who owns the generated content?
- Should people disclose the use of Generative AI?
- How to manage Generative AI in the vendor space?



Generative AI and the Courts Workgroup

Report and Recommendations

October 2024



Hon. Jon A. Van Allsburg
Chief Judge, 20th Circuit Court
Ottawa County



Generative AI and the Courts Workgroup

Report and Recommendations

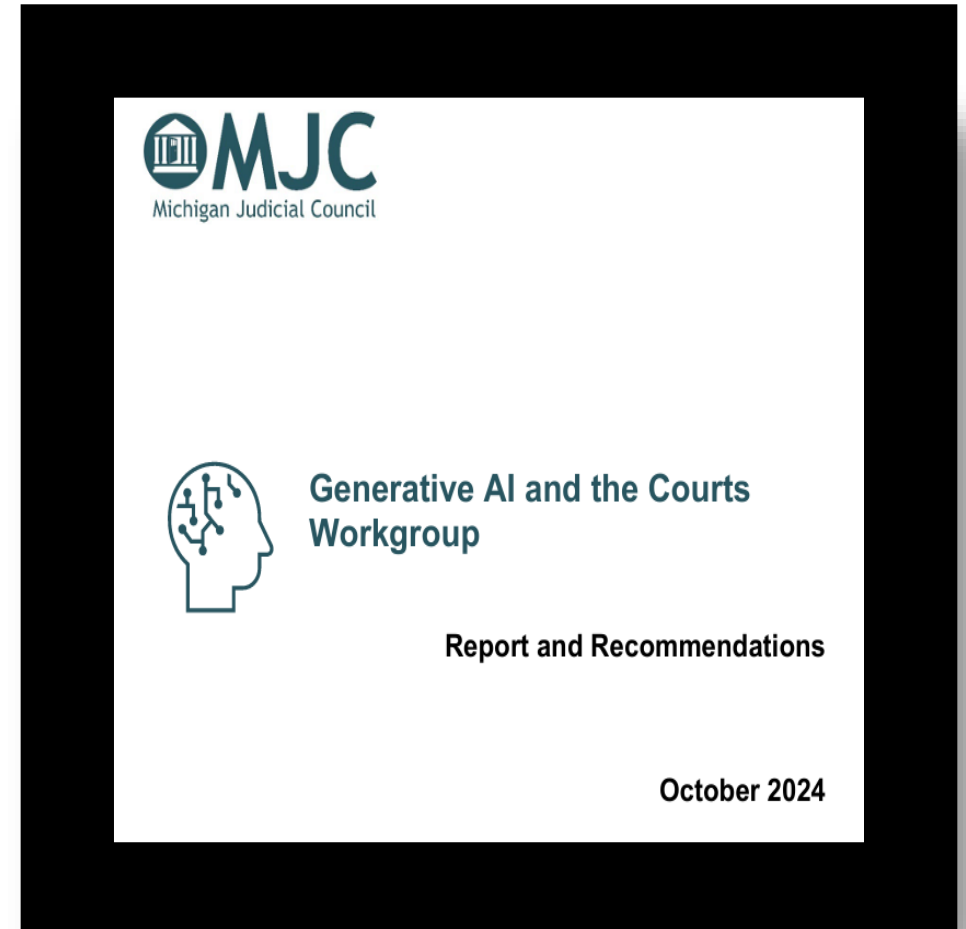
October 2024

Workgroup Charge

- studying and identifying strategic opportunities and potential impacts of GenAI on the judiciary; and
- studying and developing training and education opportunities for building statewide knowledge of GenAI and its applications among judicial officers, administrators, and court employees

Workgroup Recommendations

- Expand Training and Education on GenAI
- Implement Pilot Programs for GenAI Tools
- Develop Feedback Loops and Iterations of GenAI Tools
- Develop Scaling and Integration Plans for the Use of GenAI Tools
- [2024-genai-wg-report.pdf](#)



Possible Uses in the Justice System

Just because we can doesn't mean we should.

Key



Self Represented Litigant



Attorney



Judicial Officer



Justice Partner



Predicting Case Outcomes

Using Generative AI to predict based on past cases and legal precedents.



Better Assistance to Self-Represented Litigants

Using Generative AI to tutor and guide Self Represented Litigants through the legal process.



Tailored Proposed Orders, Motions, and Briefs based on the Judge

Using Generative AI to review legal documents and make suggestions based on a Judge's previous rulings.



Automating Legal Research

Using Generative AI to review published cases to find cases or opinions germane to the case at hand.



Predictive Policing

Using Generative AI to predict where policing resources need to be deployed to deter crime.



Providing Better Legal Training to the Community

Using Generative AI to provide training resources such as chatbots and AI generated videos.



Judicial Recommendations

Using Generative AI to provide recommendations to Judges on bail, sentencing, and other adjudicative matters.

Possible Misuses in the Justice System

This is why we can't have nice things.



Fake Exhibits

Using Generative AI to create fake photos, videos, and audio of something that did not take place.



Lazy Lawyering

Using Generative AI to create legal documents and filing them as-is with no professional review.



Lazy Legal Researching

Using Generative AI to review legal documents and make suggestions based on a Judge's previous rulings.



Fake Judicial Work Products

Using Generative AI to create a realistic, but fake judicial opinion, order, or decree.



Poorly Designed/Unmanaged Tools

This could include Self-Represented Litigant tools, unsupervised bulk filing tools, or any application proclaiming to use AI.



Where strategy,
design, and
technology flow
together.

Juvenile Justice S
For over 20 years

We're a digital agency focused on elevating brands, websites, and products. Our expertise and track record of award-winning work helps us accelerate growth for our clients.



Juvenile Justice Solutions

For over 20 years, YouthCenter has been the Juvenile Case Management Software solution for Juvenile Probation, Diversion, Detention, and Residential facilities.



AI & Courts:

Harnessing ChatGPT for Data Analysis and Reporting



Dave Valko

Product Owner

YouthCenter Juvenile Client Management System

Quick Poll...

Who is using AI today?

—

**We all are, whether we know it
or not.**



Biometrics to login

Voice to text

Home automation

Amazon/Netflix Recommendations

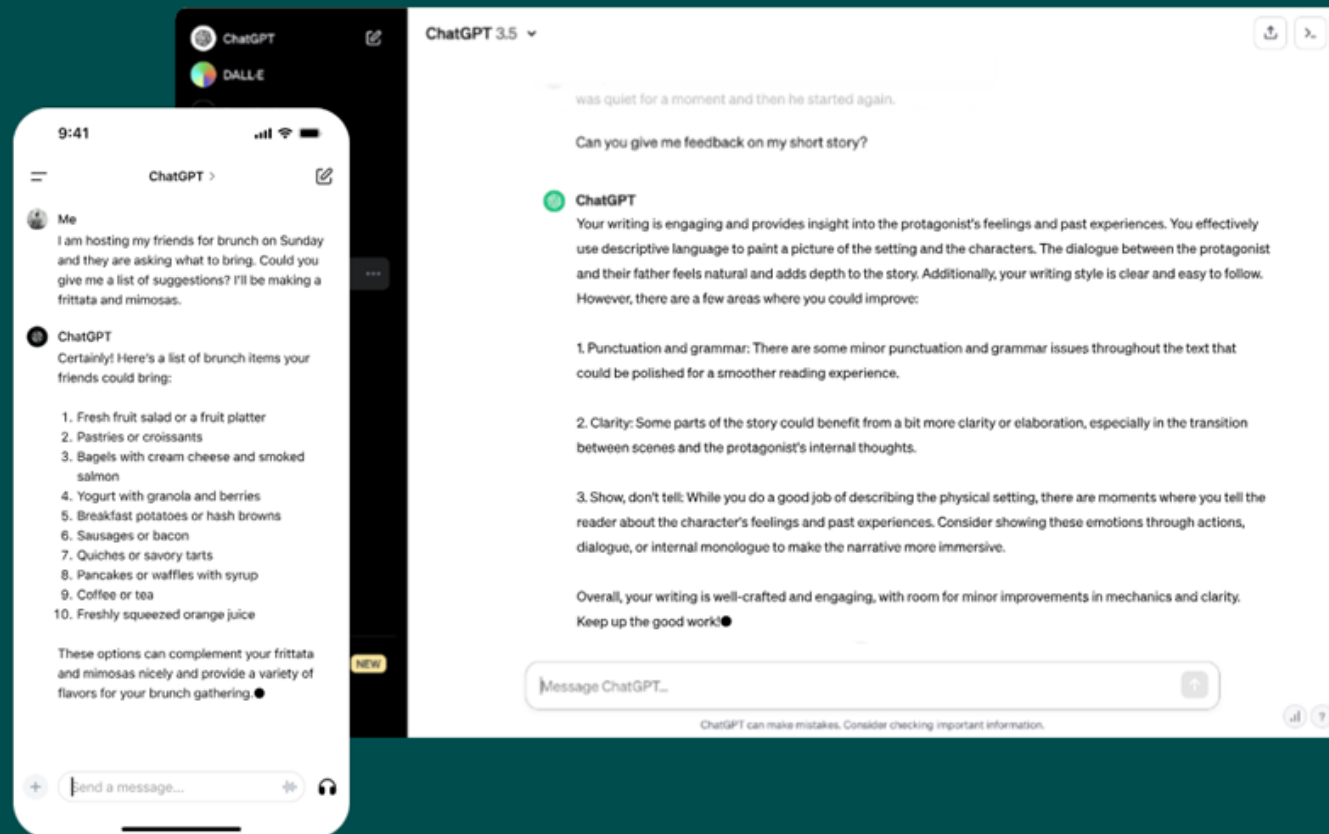
Google & Apple Maps/Waze

Google & Bing Search

Generative AI

ChatGPT

Get instant answers, find creative inspiration, learn something new.

[Try on web](#)



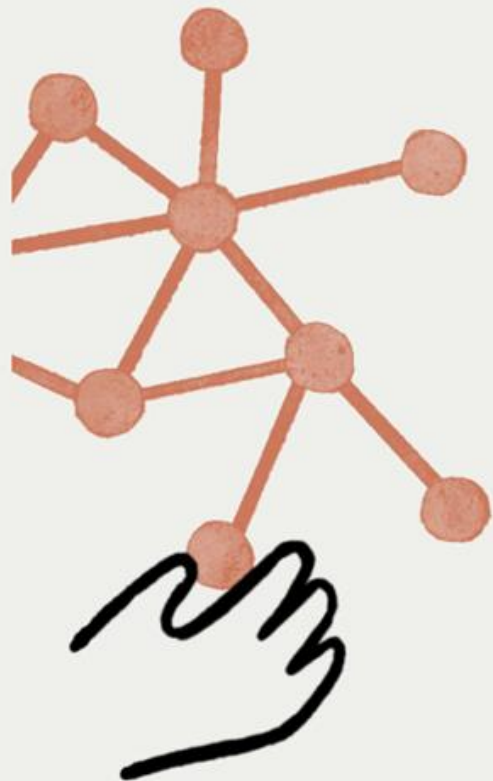
Supercharge your creativity
and productivity

Chat to start writing, planning, learning and
more with Google AI

Try Gemini



Generate an image of a futuristic
car driving through an old
mountain road surrounded by
nature|

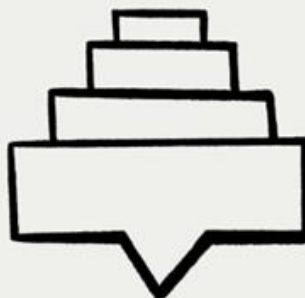
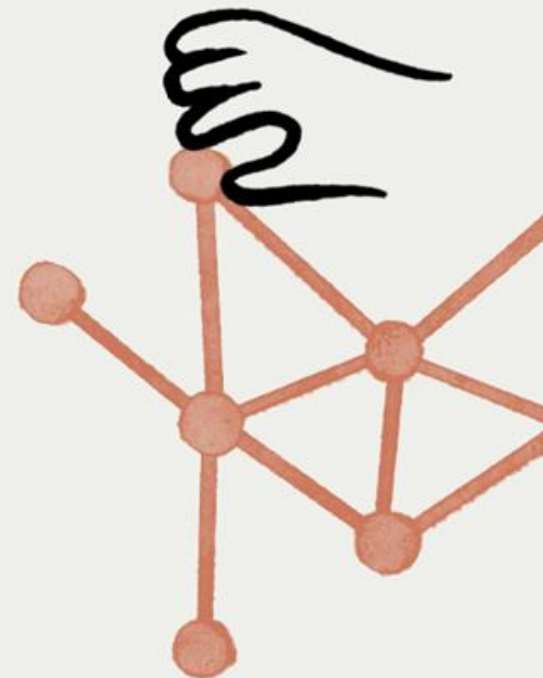


Meet Claude

A next-generation AI assistant for your tasks, no matter the scale

[Submit Business Interest](#)

[Talk to Claude](#)





Acme Court Case Management

By Dave Valko

Chat with me for current court information.

What's the current caseload for Officer Smith?

List all youth on intensive probation.

How many youth are in diversion programs?

Give me details on the residential placements.



Message Acme Court Case Management...



People are motivated by meaningful work, prioritizing impactful work over autonomy, equity, flexible work arrangements, and growth opportunities.



Augmented work for an automated, AI-driven world
Boost performance with human-machine partnerships

2023

**What if we could give our
caseworkers and
administrators more time to
work with people?**

—



Be Cautious With AI



Generate an image that illustrates the cautions you must take with PII using AI.

**Never Enter Sensitive
Information or Personally
Identifiable Information (PII)**

—

Grammarly will inspect your writing
carefully to find ways to improve clarity,
word choice, and more.



Enhance word choice

~~inspect your writing carefully~~ →
scrutinize your writing

New Note

Note

Note Date * 

Note Type *

Duration

Mileage

Note

Review more suggestions
in Grammarly.



Services Provided

Search for and choose as many services as needed

Staff Present

Search for and choose as many staff as needed

Access Level

Should this note only be seen by certain groups of people?

Contact Log



Contact Type

How were they contacted?

Activity Type

What type of activity took place?

Location

Location (other)

Use only when an appropriate location cannot be found in the list above.

How was contacted?

Full Name

Relationship

[X Remove](#)

[+ Add a person](#)

Thank You!

Dave Valko



dvalko@bizstream.com

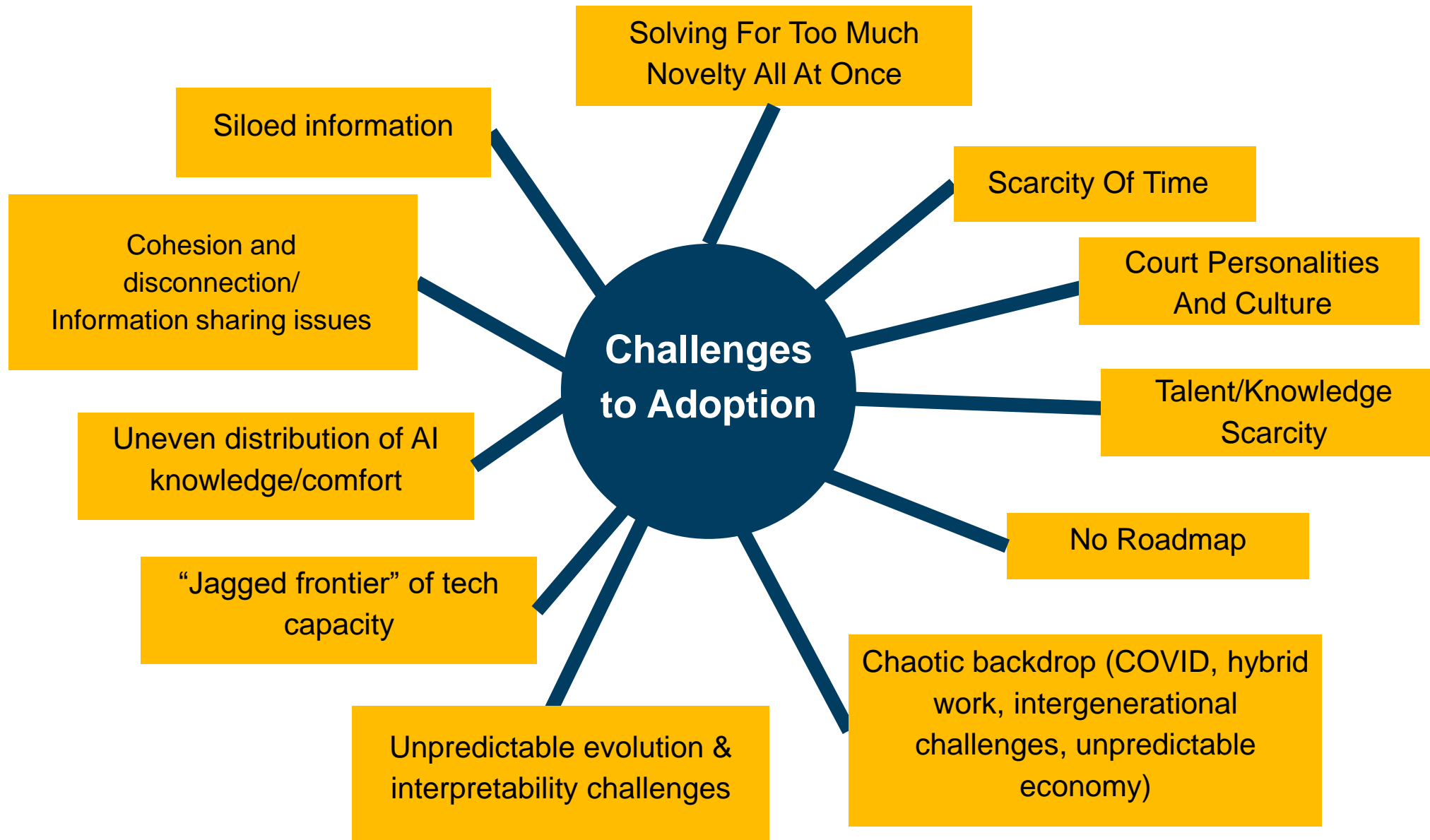


www.linkedin.com/in/davevalko/

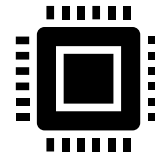
Webinar:

Unleashing AI Efficiency
Revolutionizing Court Reports with ChatGPT





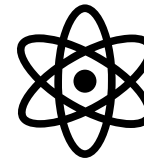
What's next for Generative AI ?



Generative AI will start mixing with quantum computing to use larger and more complex data sets.



Movement of AI to start thinking, using the same general process that humans think (but faster).



Generative AI will find more efficient software algorithms as computers approach the limits of physical nano-transistors.



Generative AI will be seen more and more in artistic spaces like movies, music, art.



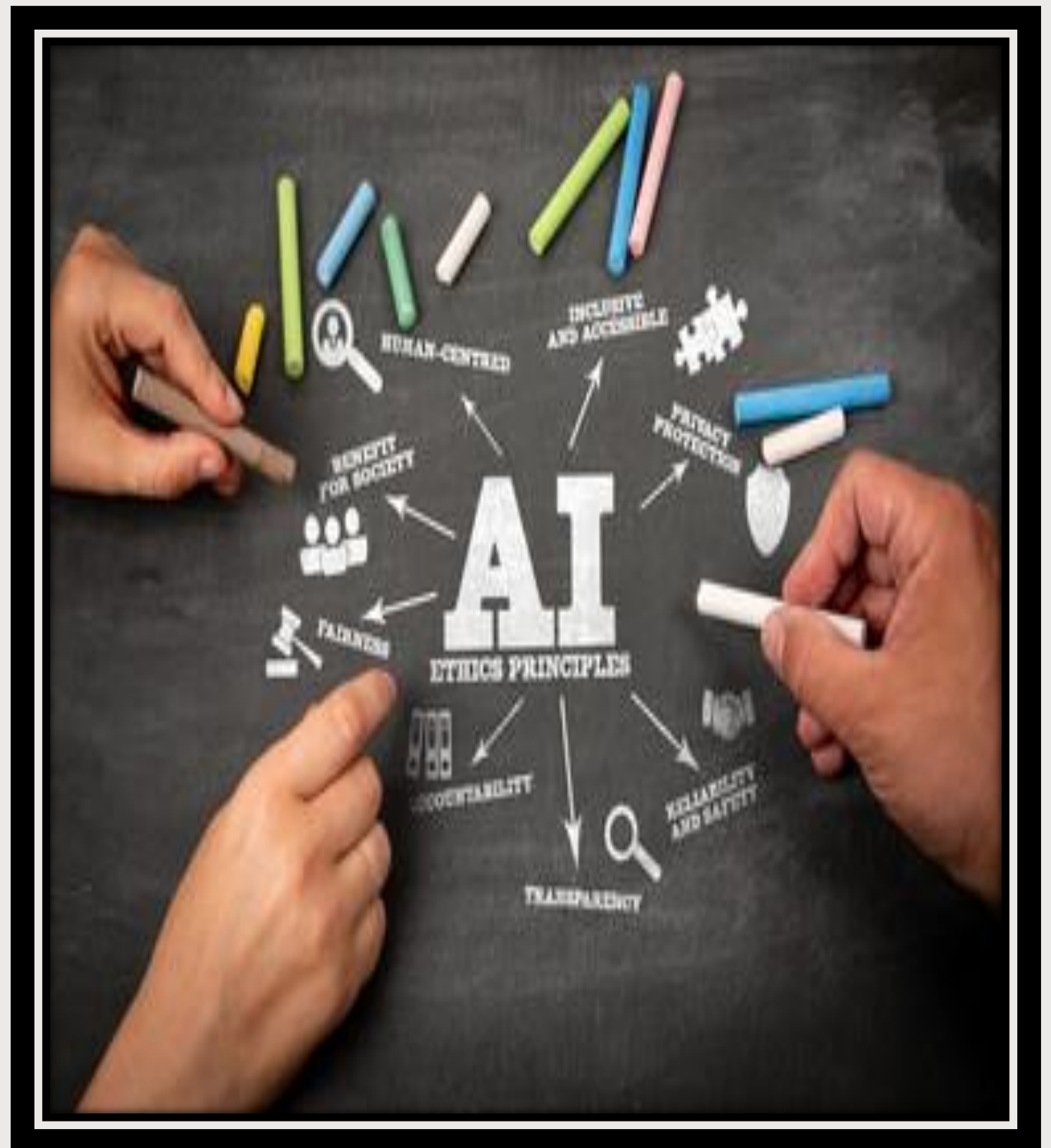
Immediate Policy Considerations

- Data governance rules still apply. Don't give a generative AI tool access to non-public data via training or prompts.
- Generative AI output should still be reviewed/edited by humans.
- What/when/where is AI acceptable to be used by judicial officers and staff?
- What criteria apply to that decision? (Purpose, Impact, Tool User Agreement, Liability Assignment)
- How will AI impact the need to focus on relationship development in juvenile courts?



What Do Juvenile Courts Need to Do Right Now?

- Be aware of what AI exists and the different tools coming and going.
- Ensure appropriate data governance exists and make it known that those rules apply to AI training and prompting.
- Determine appropriate and inappropriate uses for the court, including whether it should be disclosed that AI was used.
- Share and provide feedback regarding what works, what doesn't (right now there are no experts).
- Even though we have “new, shiny toys” like AI, don't forget the fundamental need to create strong personal relationships with the youth and families we serve.



Resources



COSCA

Conference of State Court Administrators



INTERNATIONAL ASSOCIATION FOR
COURT ADMINISTRATION



**National Association
for Court Management**
Strengthening Court Professionals



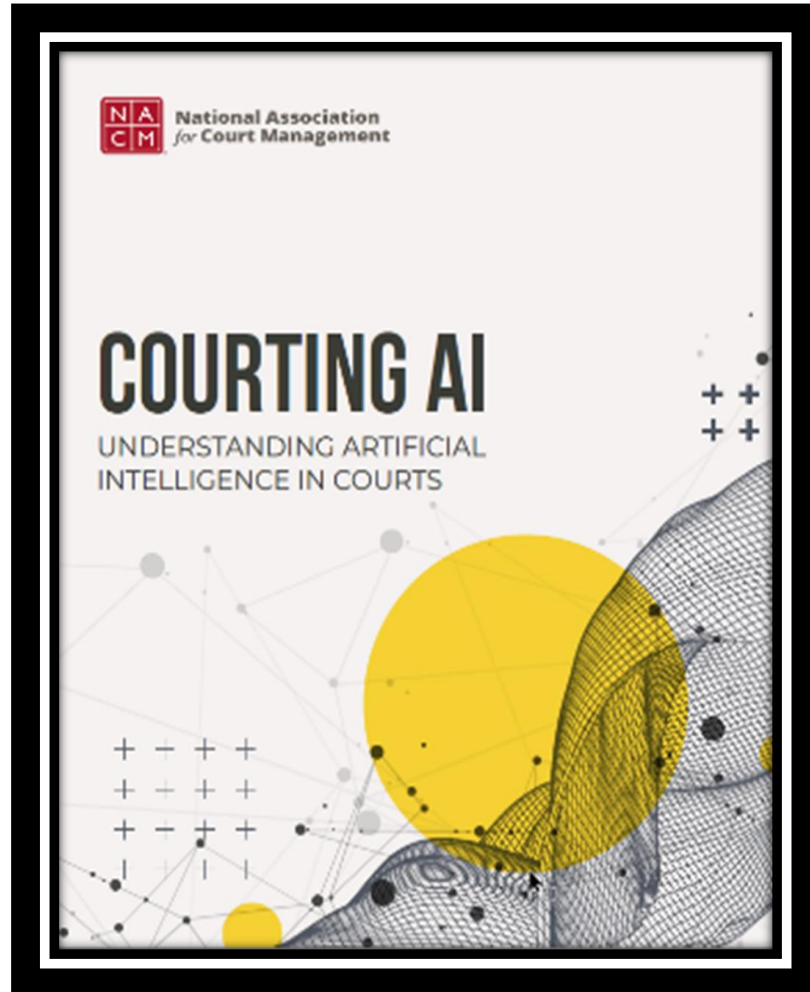
JOINT TECHNOLOGY COMMITTEE
COSCA | NCSC | NACM

JTC Resource Bulletin

Introduction to AI for Courts

Version 2.0
Adopted 5 March 2024

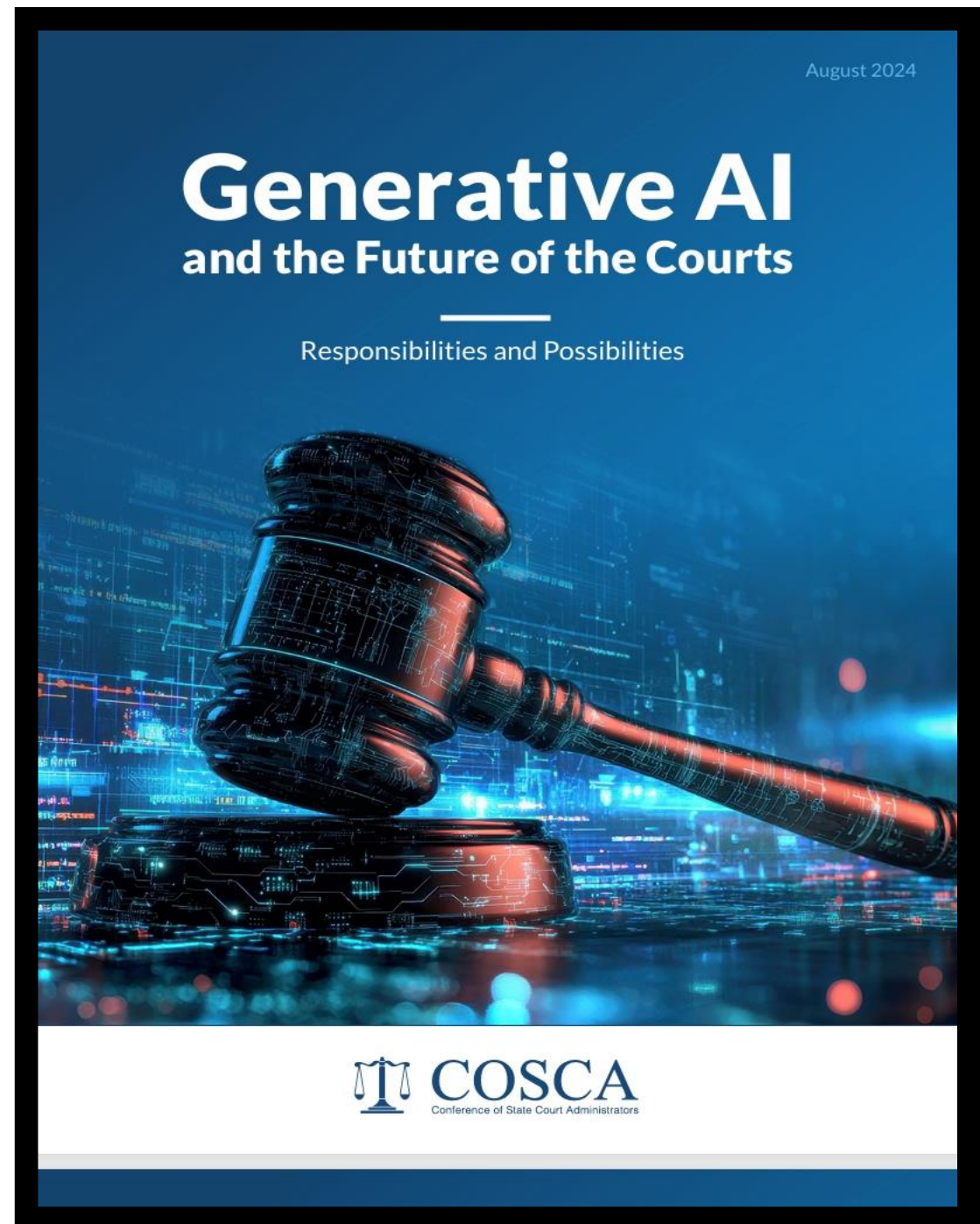
OVERARCHING AI DATA GOVERNANCE CONCEPTS



1. Improve Data Quality
2. Standardize Across Jurisdictions
3. Build Data Literacy
4. Develop AI Governance Principles



1. Courts must lead by developing expertise in Generative AI
2. Courts should set standards for transparency and privacy in the use of Generative AI
3. Courts must acknowledge the risks associated with AI
4. Courts have an obligation to ensure AI access is fair
5. Courts must consider the use of Generative AI in administrative processes



National Center for State Courts (NCSC)



Michael Navin

Principal Court Management Consultant



Thomson Reuters Institute / NCSC

AI Policy Consortium



1. **Webinars** - [Webinars | NCSC](#)
2. **AI Policy Resources** - [AI Policy Resources | NCSC](#)
3. **AI Rapid Response Team** - [AI Rapid Response Team | NCSC](#)
4. **AI Education Center** - [Education Center | NCSC](#)

Thomson Reuters Institute / NCSC AI Policy Consortium

**NCSC
Sandbox**



International Association for Court Administration - IACA

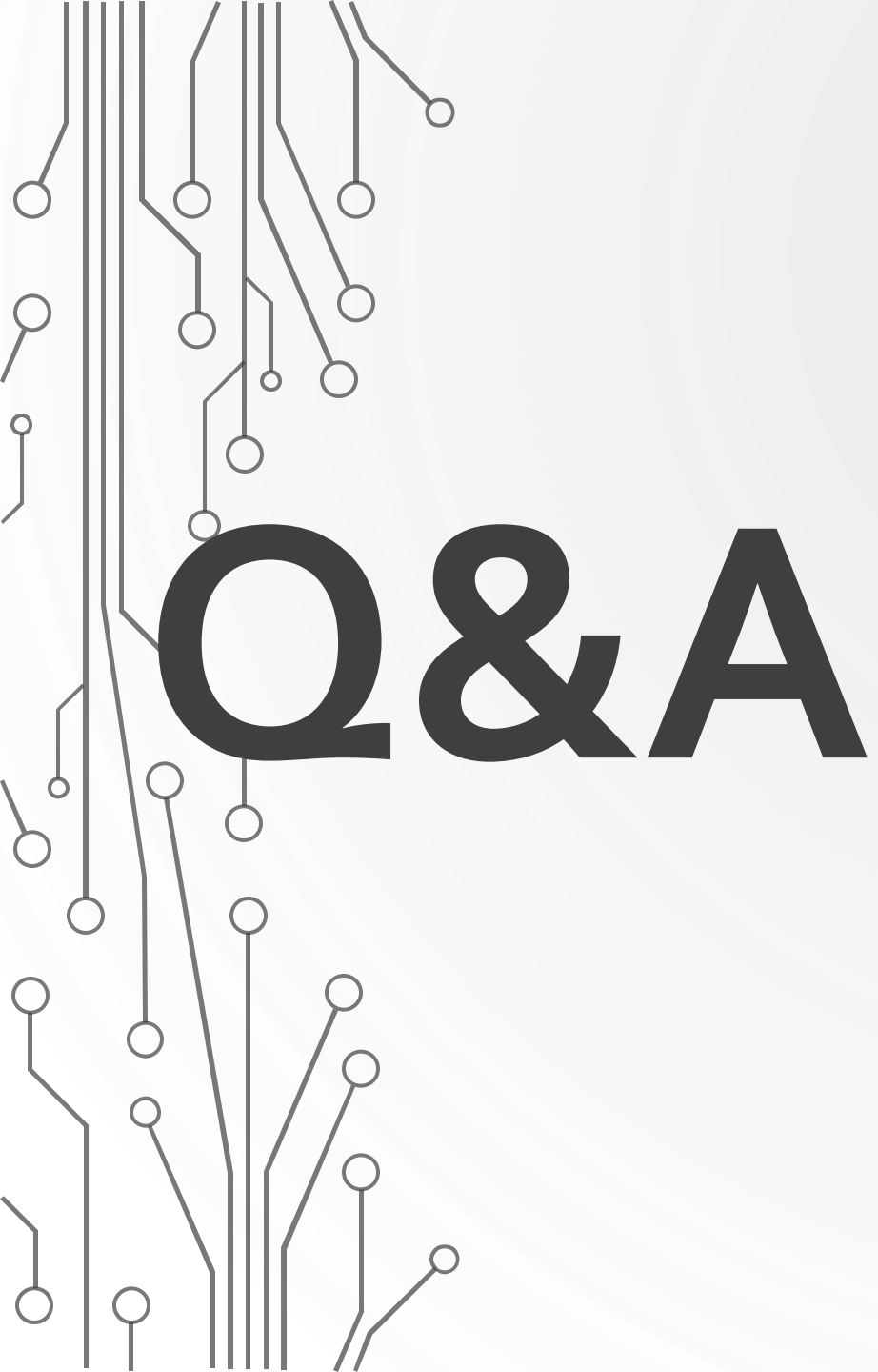
Webinar – “Artificial Intelligence in the Courts: Opportunities and Challenges”

[\(16\) Artificial Intelligence in the Courts: Opportunities and Challenges – YouTube](#)

2024 Singapore Conference – materials from several AI related presentations

[Past Conference Materials](#)







THANK YOU!

Juvenile Justice Vision 20/20 -
Grand Valley State University