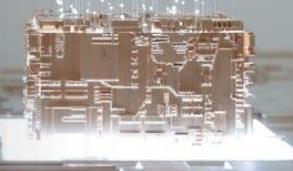
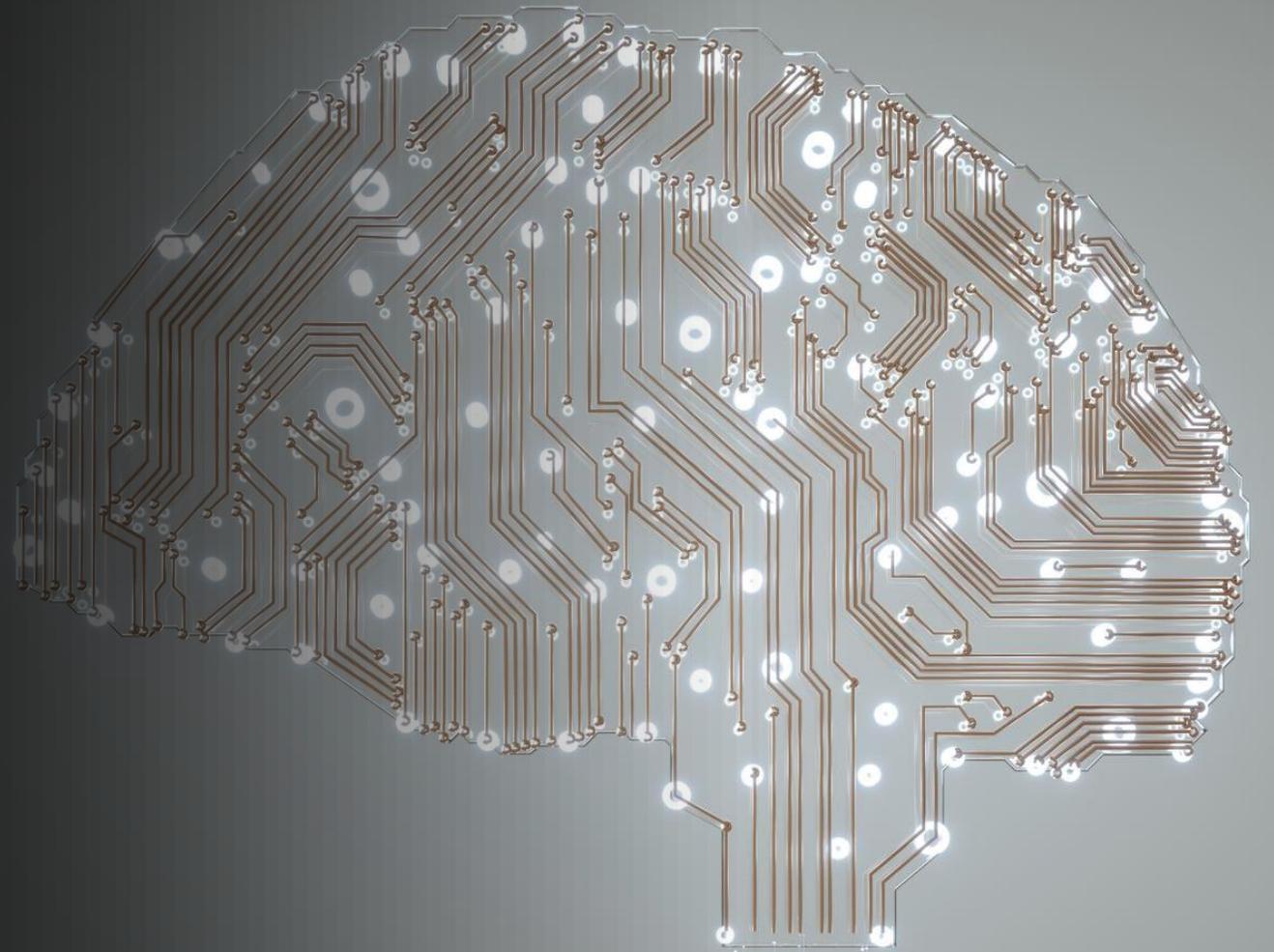




Artificial Intelligence for Regulators



Disclosure

- The views and opinions expressed in this presentation are solely my own and do not represent the views, positions, or opinions of the Florida Public Service Commission, its staff, or any other Commissioner.
- Any references to or demonstrations of artificial intelligence (AI) tools or models are provided strictly for educational purposes. Their inclusion should not be interpreted as an endorsement, preference, or official recommendation of any specific product, service, or company.
- Attendees are encouraged to treat the examples presented as illustrative, not prescriptive, in understanding the broader regulatory and policy issues related to AI.

Course Structure

- **Create a Baseline of Knowledge**
- **Explain the Different types of Models**
- **Demonstrate Use Cases of Each Model**
- **Takeaways for Use in Regulation**

AI Knowledge Baseline

- **Pace of Change**
- **Complexity of New Terminology**
- **Prohibitions**
- **Increase Subject Matter Expertise and Productivity**
- **Advancements Based on User Feedback**

User Facing AI Models

General Use Models

Widely accessible and designed to handle a range of diverse tasks for various users.

Specific Purpose Models

Targeted applications, delivering specialized solutions for unique tasks and industries.

Enterprise Developed Models

Customized by organizations to meet their unique needs, creating competitive advantages in their business processes.

Architectural Focused Models

Optimize the underlying infrastructure, enhancing AI performance and scalability for end users.

Context Window and Prompting

- **Most models limit the number of documents or context window(sometimes referred to as tokens)**
- **Models that exceed standard context windows can have a diminished quality of outputs**
- **Prompting matters - Give thought to what you want to ask and how detailed you want the response to be**

General Use Models

- Deep Research/Advanced Thinking Modes
- ChatGPT - State Commission Ethics Rankings on Four Criteria
 - Public Records and Open Meetings
 - Gift Prohibitions
 - Ex-Parte Communications
 - Conflict of Interest

General Use Models

- Cautious vs Responsive
 - Claude
 - More cautious to respond based on ethical guardrails
 - Grok
 - Less filtered and more real time response
 - Gains insights from trend data on X

Retrieval Augmented Generation (RAG)

- NotebookLM – National Institute of Standards and Technology (NIST)
 - Cybersecurity Framework Version 1.1
- **Content**
 - Specific Questions
 - Reports
 - Study Tools
 - Mind Map

Retrieval Augmented Generation (RAG)

- NotebookLM – Small Modular Reactors
- **Content**
 - Mind Map
 - Podcast
 - Interactive Discussion
 - Video Overview

Specific Purpose Model

- Eleven Labs – Audio Specific Model
 - Voice Replication
 - Eleven Reader
- Embedded Audio Files Removed as they made file size too large to share

Specific Purpose Model

Midjourney - Image Generation



Specific Purpose Model

Veo 3 - Video and Audio Models



Enterprise Models

- 2025 MIT Study
- Custom or Vender-sold GenAI are being rejected
- Enhance Individual Productivity, but don't show a profit and loss impact
- Budgets favor visible functions over ROI

Architectural Focused Model

- Designed to provide a welcoming User Interface(UI)
- Can use multiple models to create a response
- Responses should still be grounded to the sources
- Regulation based model for the energy sector - **HData**

Closing

- Proficiency in the models is not necessary for effective usage
- Usage is necessary to building expertise
- Citations are and will continue to be essential to using these models in the regulatory framework

Closing

Questions

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