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Housekeeping Items All attendee lines are muted. Please use the Q&A button on zoom toolbar to ask questions. Please do not use chat. We will get to as many questions as possible during the webinar but will follow-up personally to any unanswered questions. Click on "Live Transcript/Closed Captioning" to see a written transcript of what is being said.

Agenda

- Introduction to Al Models
- Prompt Engineering
- How ERISApedia uses AI models to help craft communications with prospects and clients.

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Al/Chat - What is it? Chat GPT A large language model designed to follow user intentions using techniques developed through alignment research. These models are trained with humans in the loop. ERISApedia: gpt-4 and gpt-3.5-turbo PaLM 2/Bard PaLM 2 is Google's next generation large language model that builds on Google's legacy of breakthrough research in machine learning and responsible Al. ERISApedia: chat-bison

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Large Language Models • What is a large language model? We asked Chat GPT-3.5: • A large language model is a type of artificial intelligence system that is designed to understand and generate human-like text. It uses machine learning techniques to analyze vast amounts of text data and learn patterns, structures, and relationships within the data. These models are typically trained on massive datasets that contain diverse and representative samples of human language.

- Large language models, such as OpenAl's GPT-3 (Generative Pre-trained Transformer 3), consist of deep neural networks with multiple layers and millions or even billions of parameters. These models can generate coherent and contextually relevant text based on a given prompt or question.
- Also known as Generative AI

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How Do They Work?

- User enters a prompt in plain language, the prompt gets converted to numeric tokens, [magic happens], the model responds by converting response tokens to plain language.
- Chat GPT: https://chat.openai.com/
- Bard: https://bard.google.com/.
- The quality of the prompt determines the quality of the response. Garbage in garbage out.
- The art of writing effective prompts is known as prompt engineering.

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Types of Prompts

- · Question Answering
- · Chat Simulation
- · Content Generation
- Summarization
- · Data Extraction

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Prompt Engineering

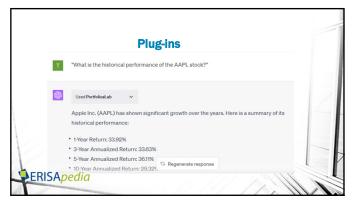
- · Prompt Framing
 - You are acting as a third-grade teacher/college professor. Explain gravity.
- You are acting as an experienced financial advisor specializing in 401(k) plans.
- · X-Shot Learning
- Provide zero to many examples of what you are expecting the model to do:
 Prompt: I don't like product x Response: Unfavorable
 Prompt: think lee cream tastes great
 Response [enter]
- Prompt Length and Specificity
 Talk to the model like it was smart teenager

 - · Use consistent language
 - · Delimit data to be analyzed

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Summarization Demo	
Version One:	
What are the vesting rules in the following paragraph:	
ERISA <i>pedia</i>	
Zinor pour	





Search Bing: What large language model does Bing use? Bing uses a new next-generation OpenAl large language model that is more powerful than ChatGPT and customized specifically for search. The new OpenAl large language model that powers Bing has been optimized for search. It's built on learning from ChatGPT and GPT-3.52. Google: Bueller? Bueller? Bueller? https://labs.withgoogle.com/sge/ (Search Labs - limited signup)

How AI/Chat Models Are Used in Third Party Products Like ERISApedia

- There are two ways to access the chat models.
 - · Human interface
- Application Programming Interface (API) The API works in a similar manner as the human interface except a third-party server sends a prompt to OpenAI or Google servers and the response is sent back to the third-party servers.
- Third party products like ERISApedia use the API.
- Large organizations may train their own models
- Zoom
- BloombergGPT

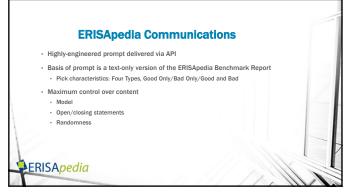
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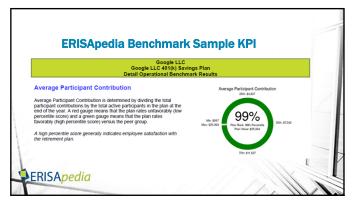
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LLM Limitations Token limit 8k - 32k Randomness Hallucinations Hallucination in Al refers to the generation of outputs that may sound plausible but are either factually incorrect or unrelated to the given context. ► ERISA pedia







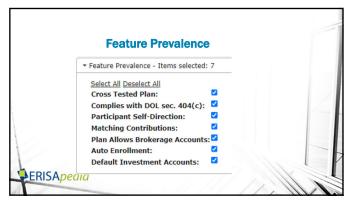
ERISApedia Ben	chmark Report
Nine Operational Benchmark Metrics/ High score favorable/good	
 Plan Alerts – good things like 404(c). Presence favorable/good Choice of over some items 	
Status Alerts – generally things that an Absence favorable/good Choice of over some items	e going wrong.
· Feature Prevalence ISA <i>pedia</i>	

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Operational Benchmarks	S/KPIS
▼ Benchmark Scores - Items selected: 9	
Select All Deselect All	
Average Participant Contribution:	
Average Employer Contribution:	
Participation Rate:	
Average Account Balance:	
Average Benefit Distributions/Participan	ıt: ☑
Corrective Distributions/Participant:	
Percentage of Terminated Participants:	
Investment Return:	
Administrative Expense/Participant:	



Status Alerts	8	
▼ Status Alerts - Items selected: 4		
Select All Deselect All		
Failed to Provide Sch C Data:		
Bond Coverage Level is Too Low: Failed to Transmit Contributions When D		
Loss Discovered During Year:		
Delinquent Filer Program:		
Prohibited Transactions:		
Failed to Provide a Benefit When Due:		
Participant Loans:		
Failed to Comply With Blackout Notice: Select Fav/Unfav	0	
Participant loans are deemed:	Unfavorable ♥	





Live Demo Formulate campaign Work with plans that have low Participation Rate and low Average Account Balance. Select plans Select Work plans that have low Participation Rate and low Average Account Balance 401(k) \$5M to \$10M Select criteria Only Benchmark scores Send communication

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Questions Samantha will follow-up personally with any questions we didn't get to. If you would like a recording of this webinar Please contact Samantha at at: Sgrimes@erisapedia.com 405-515-9022